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LOCKHEED-GEORGIA CO MARIETTA
ACQUISITION AND APPLICATION OF TRANSONIC WING AND FAR-FIELD
MAR 80 B L HINSON, K P BURDGES

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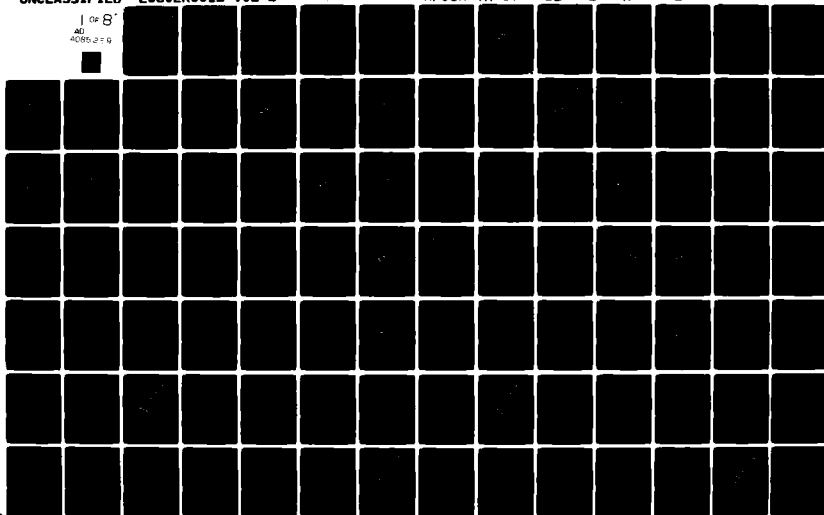
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AFOSR-TR-80-0422-VOL-2-APP NL

1 of 8
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A085 259



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ACQUISITION AND APPLICATION OF TRANSONIC
WING AND FAR-FIELD TEST DATA FOR THREE-
DIMENSIONAL COMPUTATIONAL METHOD EVALUATION

VOLUME II — APPENDIX B, EXPERIMENTAL DATA

By

F49620-78-C-0068

B. L. Hinson and K. P. Burdges

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86 South Cobb Drive
Marietta, Georgia 30063

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Prepared For

AIR FORCE OFFICE OF SCIENTIFIC RESEARCH
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21. ABSTRACT (Continue on reverse side if necessary and identify by block number) This volume contains an extensive set of experimental pressure data for Wings A, B, and C. This includes data for all isolated wing and wing/fuselage configurations. No far-field pressure data, however, are included.		

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FOREWORD

This appendix contains machine plots of a significant portion of the experimental data for wings A, B, and C. The plots include wing three-dimensional pressure plots, local section plots, and span load distribution plots for all wing and wing/fuselage configurations.

The complete matrix of test points has been repeated as Table B-1 with the test points included in this appendix indicated as solid symbols. The complete set of data is available on magnetic tape through the Air Force Office of Scientific Research, Bolling Air Force Base, D. C.

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TABLE B-1. SUMMARY OF TEST CONDITIONS

M_a	.62	.72	.76	.78	.80	.82	.84
-2	□ □ ○	○	○	○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○
-1	○ ○ □ □ △	○	○	○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○
0	○ ○ □ □ △	○	○	○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○
1	○ ○ □ □ △	○	○	○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○
2	○ ○ □ □ △	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○
3	○ ○ □ □ △	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○
4	○ ○ □ □ △	○	○	○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○
5	○ ○ □ □ △						

$C_L = .45$

○ CLEAN WING, $\tau = 4\%$
 □ CLEAN WING, $\tau = 3\%$
 ◇ CLEAN WING, $\tau = 5\%$
 △ CLEAN WING, $\tau = 6\%$

♂ HIGH WING, $\tau = 4\%$
 ♂ MID WING, $\tau = 4\%$
 ♀ LOW WING, $\tau = 4\%$

TABLE B-1. Continued
(b) Wing B

α	M	.70	.75	.80	.82	.84	.85	.86	.88	.90	.91	.93	.94
-2		$\sigma\sigma\sigma\Delta$ $\square\Delta$					$\sigma\sigma\sigma\Delta$			$\sigma\sigma\sigma\Delta$ $\square\Delta$		$\sigma\sigma$	
-1		$\sigma\sigma\sigma\Delta$ $\square\Delta$					$\sigma\sigma\sigma\Delta$			$\sigma\sigma\sigma\Delta$ $\square\Delta$		$\sigma\sigma$	
0		$\sigma\sigma\sigma\Delta\sigma$ $\square\Delta$	σ			σ	$\sigma\sigma\sigma\Delta\sigma$		σ	$\sigma\sigma\sigma\Delta\sigma$ $\square\Delta$		$\sigma\sigma\sigma$	σ
1		$\sigma\sigma\sigma\Delta\sigma$ $\square\Delta$	σ	σ		σ	$\sigma\sigma\sigma\Delta\sigma$		σ	$\sigma\sigma\sigma\Delta\sigma$ $\square\Delta$		$\sigma\sigma\sigma$	σ
2		$\sigma\sigma\sigma\Delta\sigma$ $\square\Delta$	σ	σ	σ	σ	$\sigma\sigma\sigma\Delta\sigma$		σ	$\sigma\sigma\sigma\Delta\sigma$ $\square\Delta$		$\sigma\sigma\sigma$	σ
3		$\sigma\sigma\sigma\Delta\sigma$ $\square\Delta$	σ	σ	σ	σ	$\sigma\sigma\sigma\Delta\sigma$		σ	$\sigma\sigma\sigma\Delta\sigma$ $\square\Delta$		$\sigma\sigma\sigma$	σ
4		$\sigma\sigma\sigma\Delta\sigma\sigma\sigma\Delta\sigma$ $\square\Delta$	$\sigma\sigma\sigma\Delta\sigma\sigma\sigma\Delta\sigma$	$\sigma\sigma\sigma\Delta\sigma\sigma\sigma\Delta\sigma$	$\sigma\sigma\sigma\Delta\sigma\sigma\sigma\Delta\sigma$	$\sigma\sigma\sigma\Delta\sigma\sigma\sigma\Delta\sigma$	$\sigma\sigma\sigma\Delta\sigma\sigma\sigma\Delta\sigma$	$\sigma\sigma\sigma\Delta\sigma\sigma\sigma\Delta\sigma$	$\sigma\sigma\sigma\Delta\sigma\sigma\sigma\Delta\sigma$	$\sigma\sigma\sigma\Delta\sigma\sigma\sigma\Delta\sigma$ $\square\Delta$	$\sigma\sigma\sigma\Delta\sigma$	$\sigma\sigma\sigma$	
5		$\sigma\sigma\sigma\Delta\sigma$ $\square\Delta$	σ	σ	σ	σ	$\sigma\sigma\sigma\Delta\sigma$		σ	σ			
$C_L = .0$		σ	σ	σ	σ	σ	σ		σ	σ		σ	σ
$C_L = .5$		$\sigma\Delta$	σ	σ	σ	σ	σ		σ	$\sigma\Delta$			

CLEAN WING, $\tau = 4\%$

CLEAN WING, $\tau = 3\%$

CLEAN WING, $\tau = 5\%$

CLEAN WING, $\tau = 6\%$

σ HIGH WING, $\tau = 4\%$

$\sigma\Delta$ MID WING, $\tau = 4\%$

Δ LOW WING, $\tau = 4\%$

TABLE B-1. Continued
(c) Wing C

α	M	.70	.75	.80	.82	.84	.85	.86	.88	.90	
0		○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	
1		○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	
2		○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	
3		○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	
4		○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	
5		○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	
6		○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	
7		○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	
$C_L = .5$		○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	

CLEAN WING, $\tau = 4\%$

CLEAN WING, $\tau = 3\%$

CLEAN WING, $\tau = 5\%$

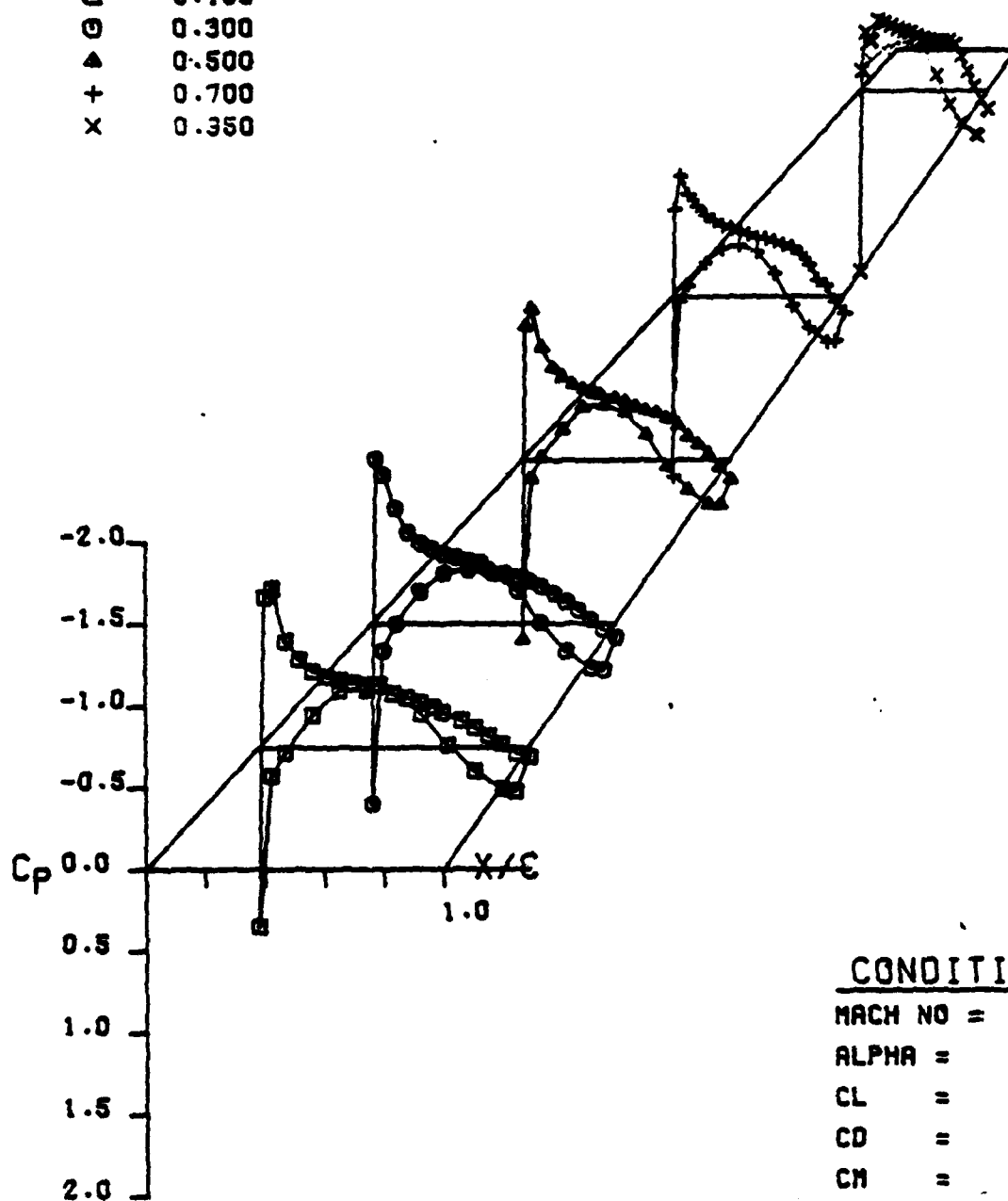
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○ HIGH WING, $\tau = 4\%$

○ MID WING, $\tau = 4\%$

○ LOW WING, $\tau = 4\%$

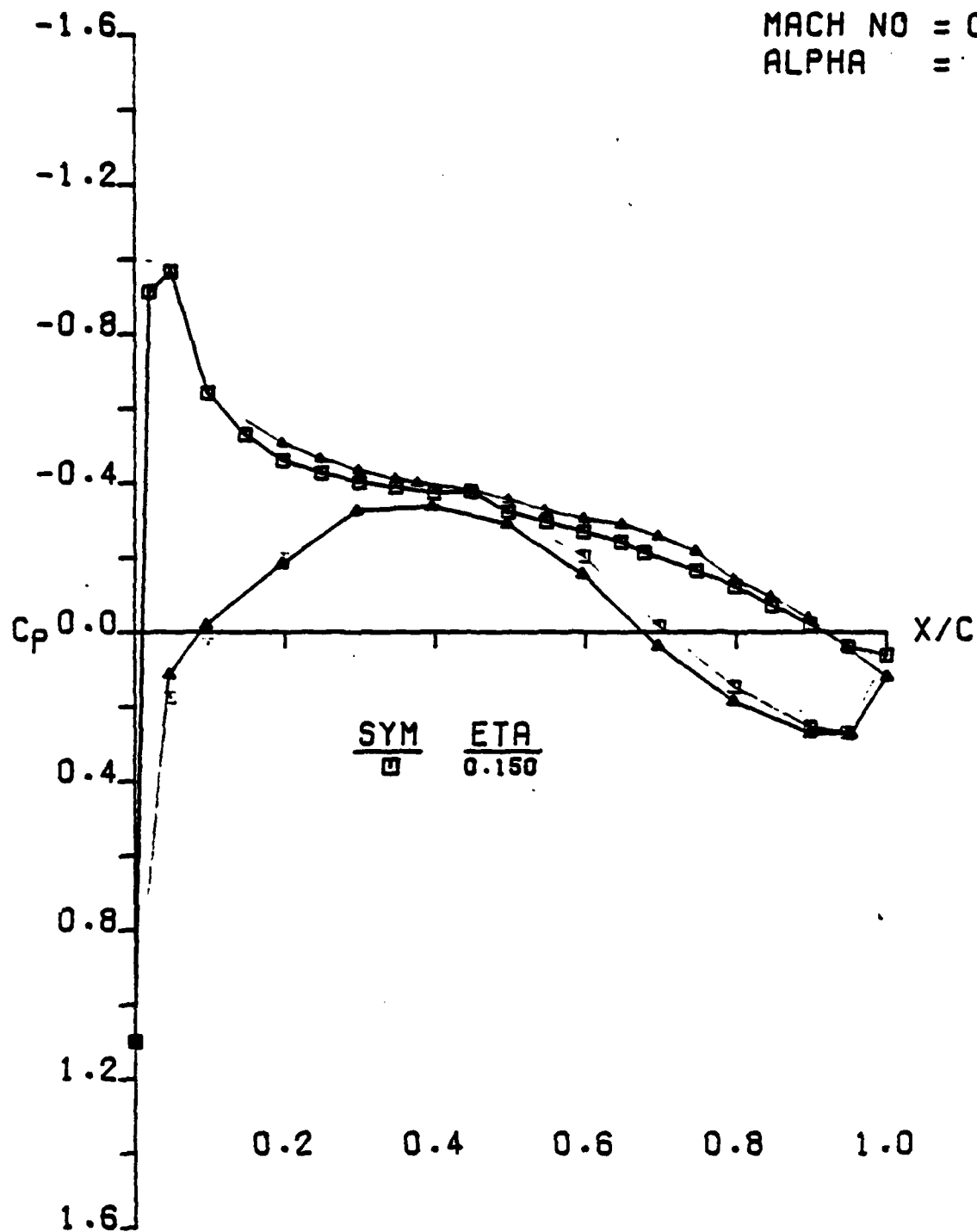
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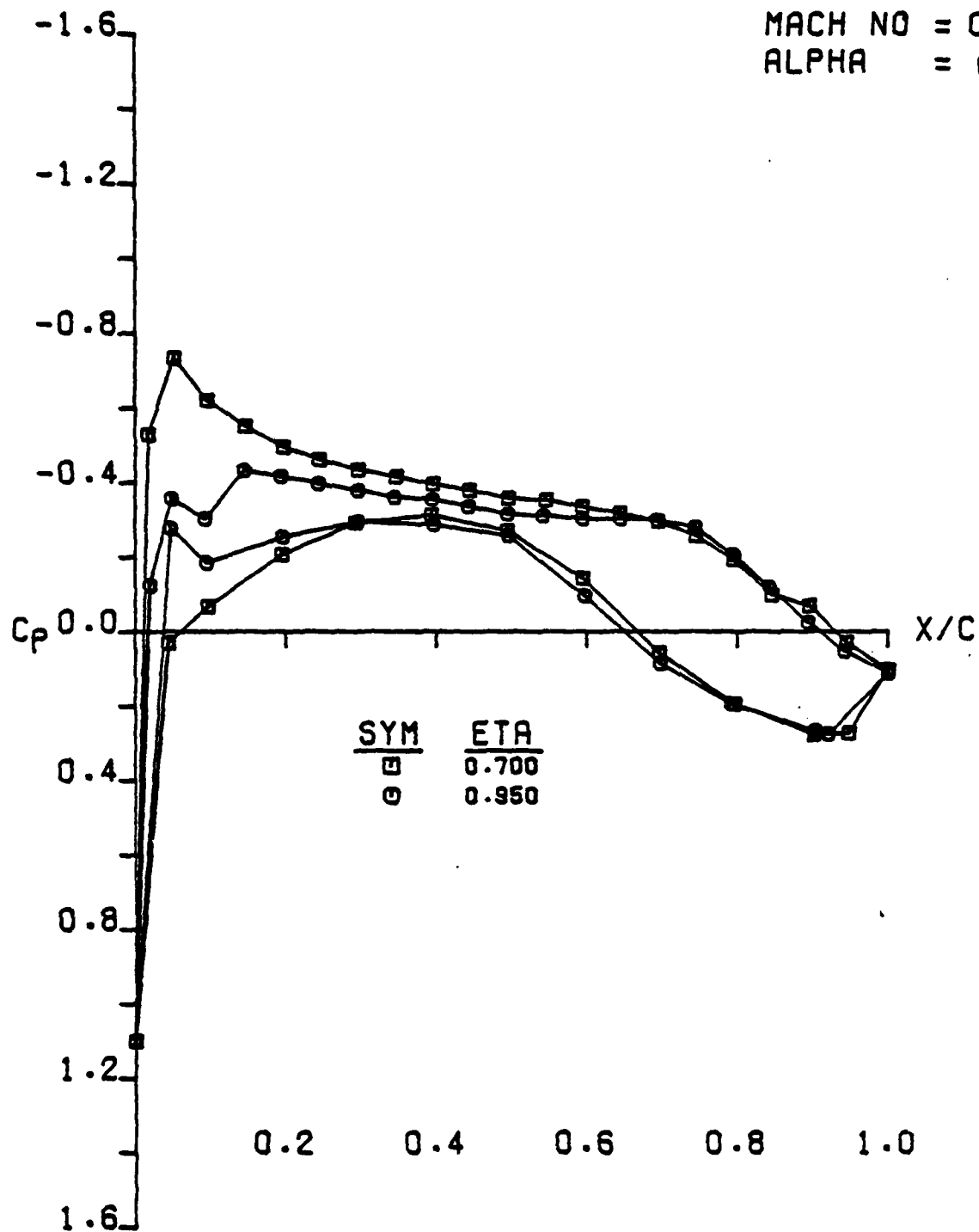
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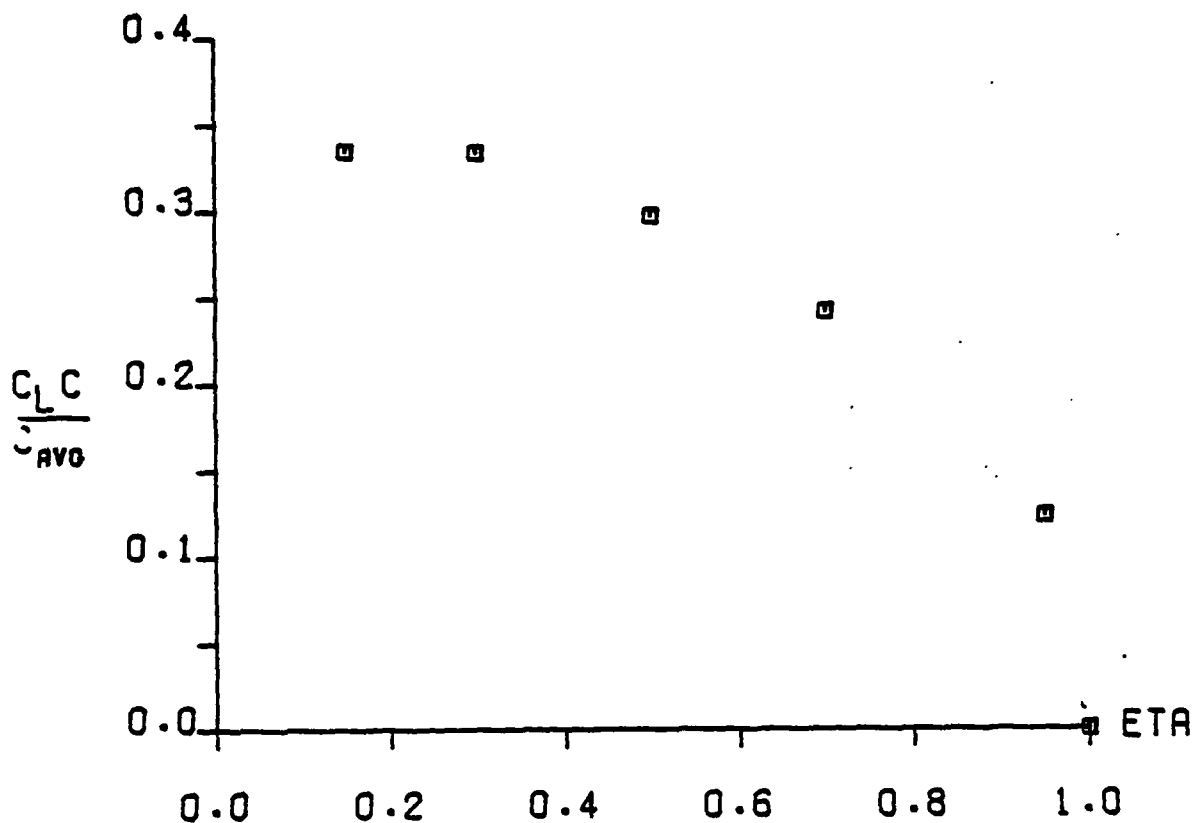


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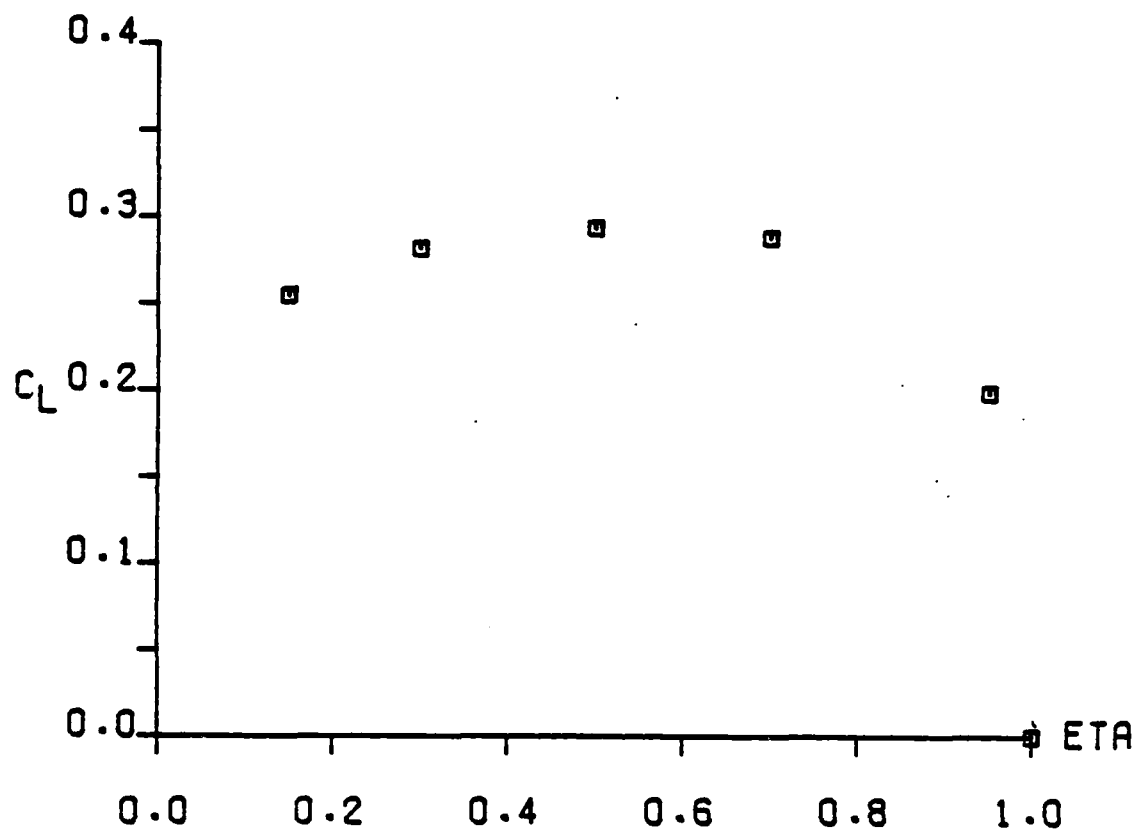
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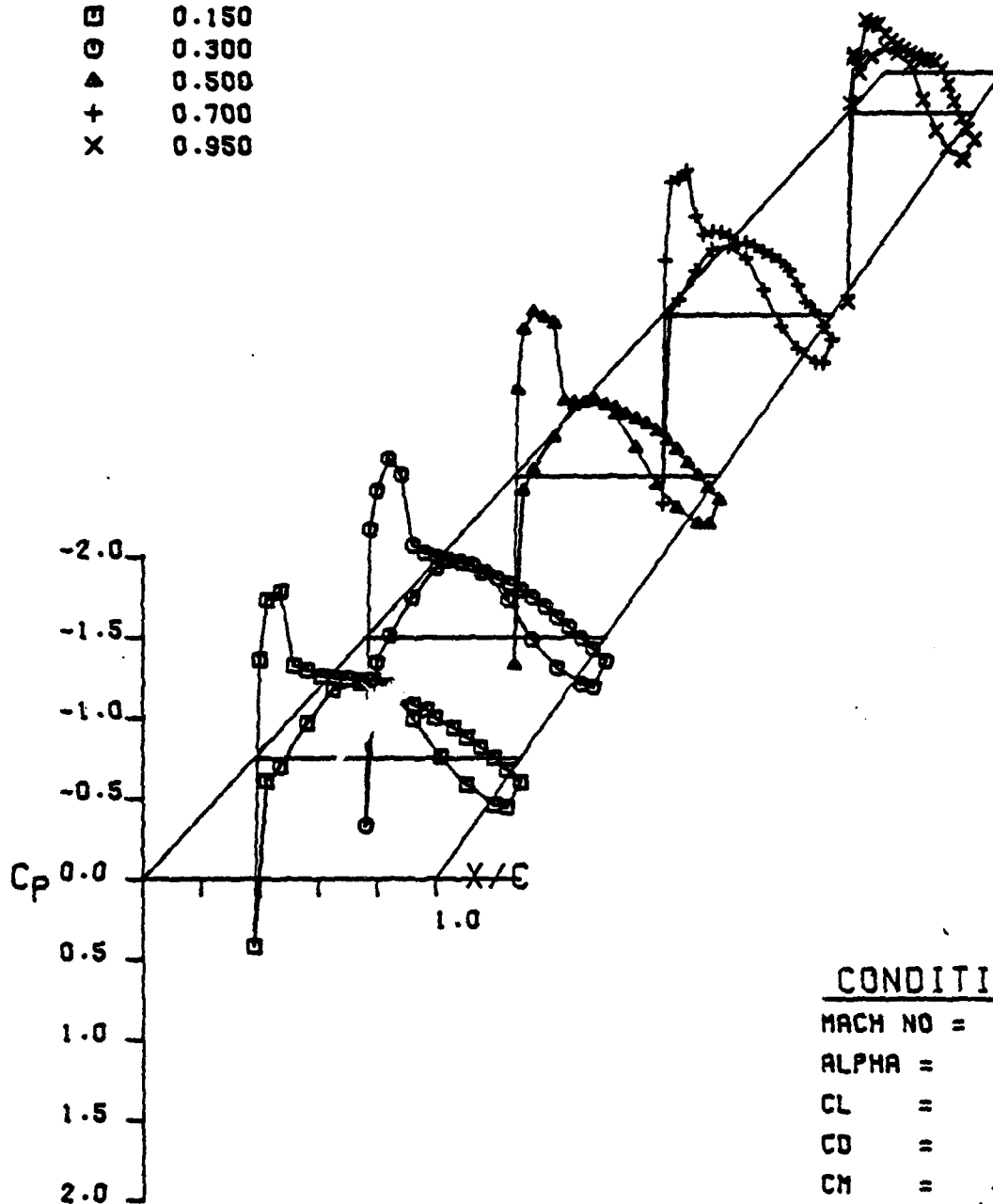
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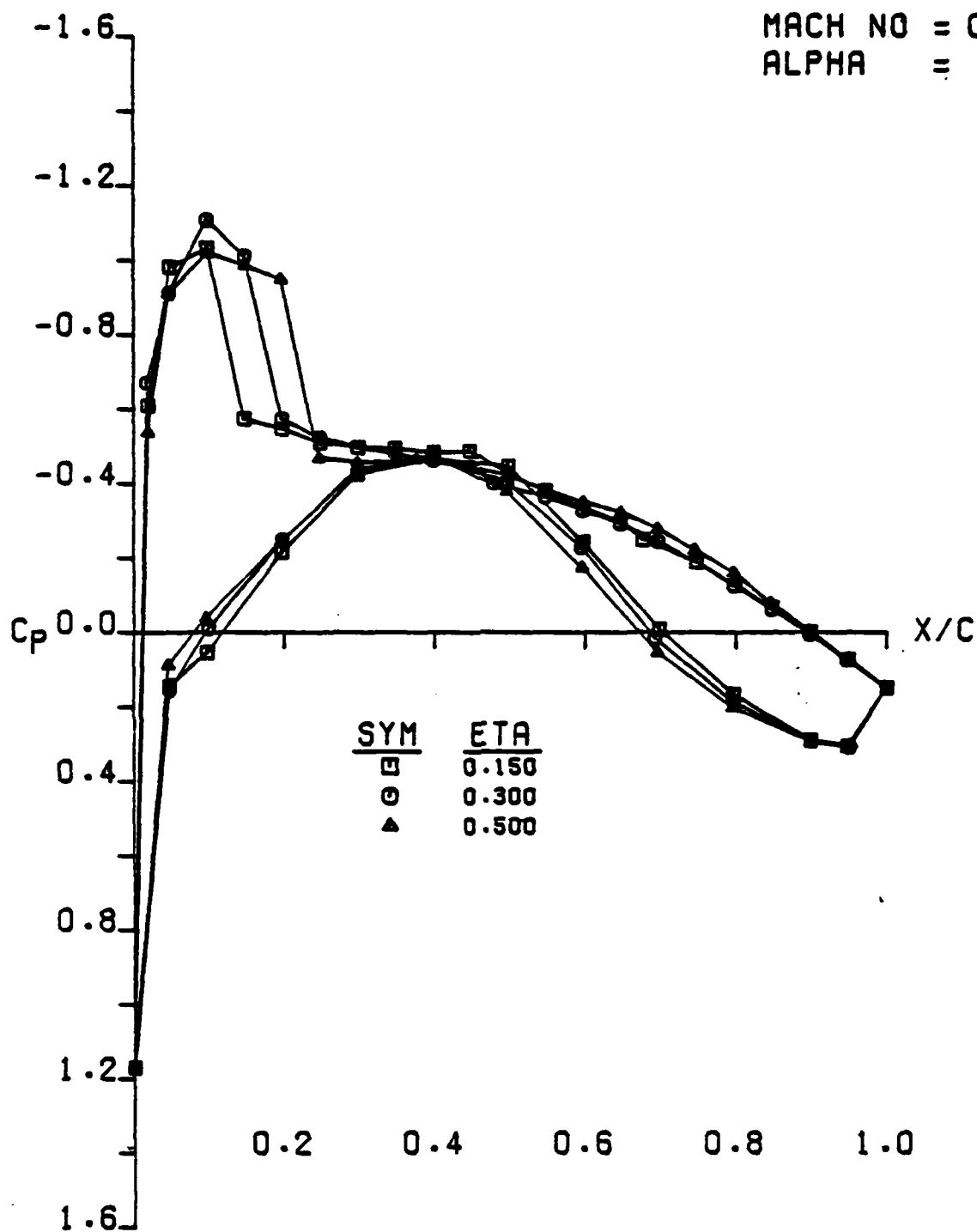
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x	0.950



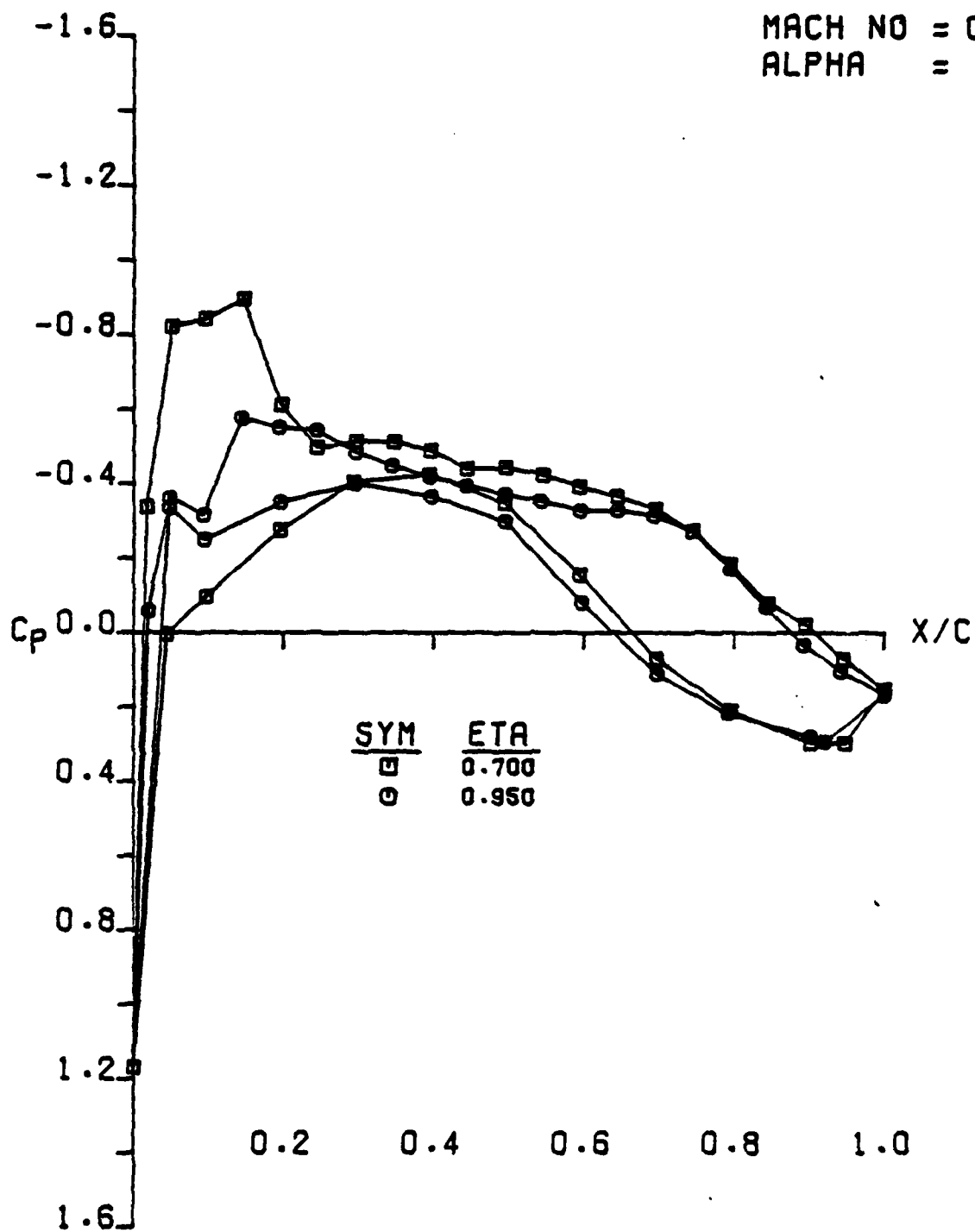
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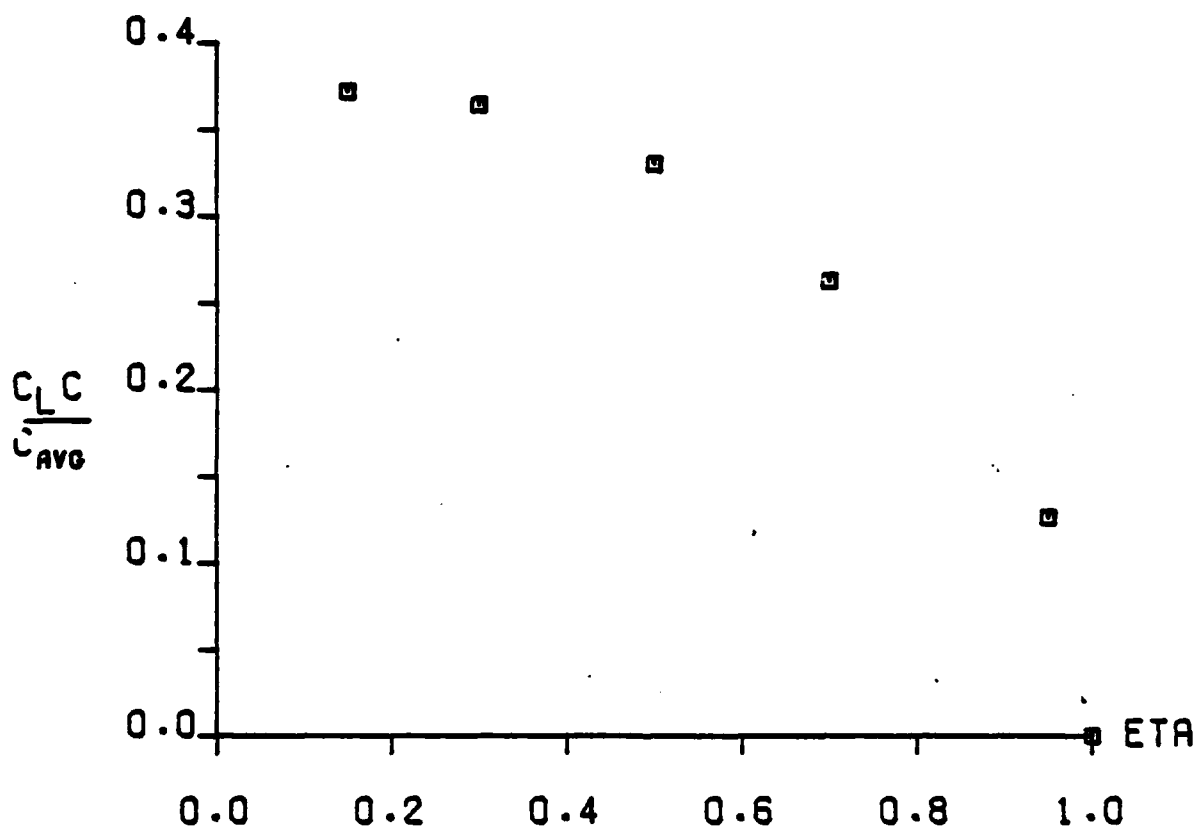


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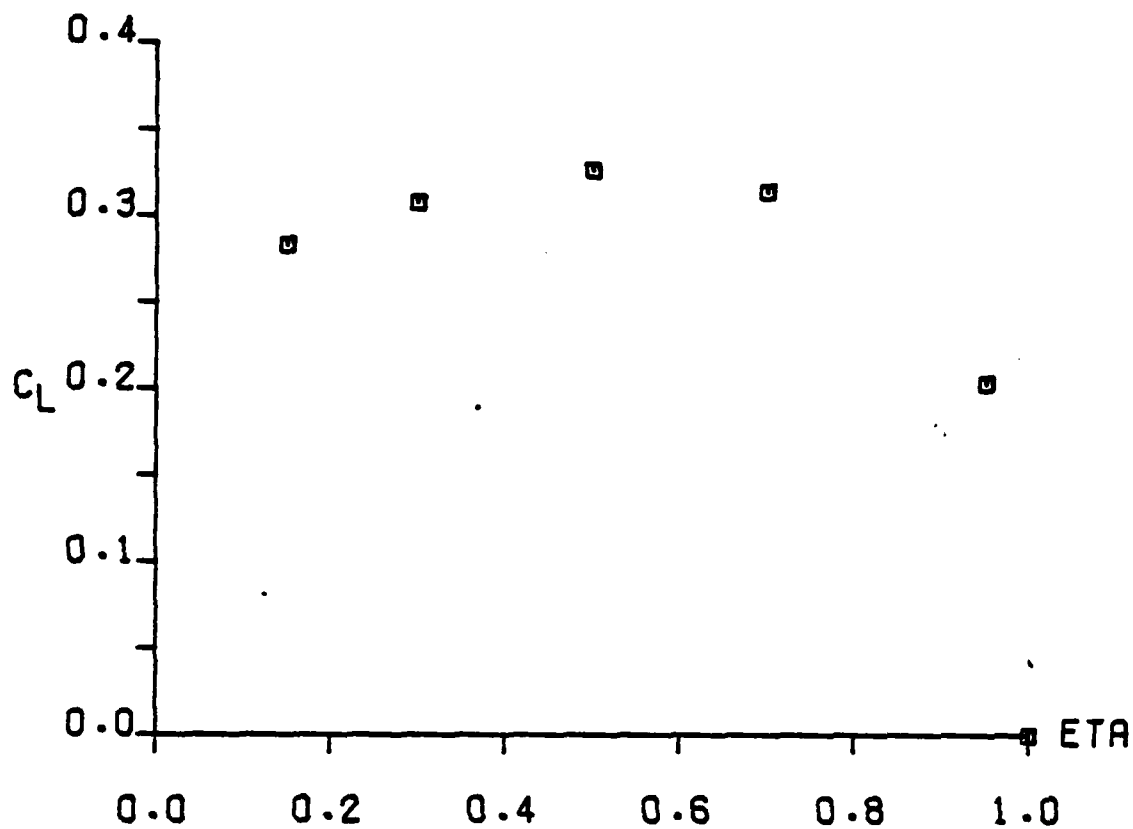
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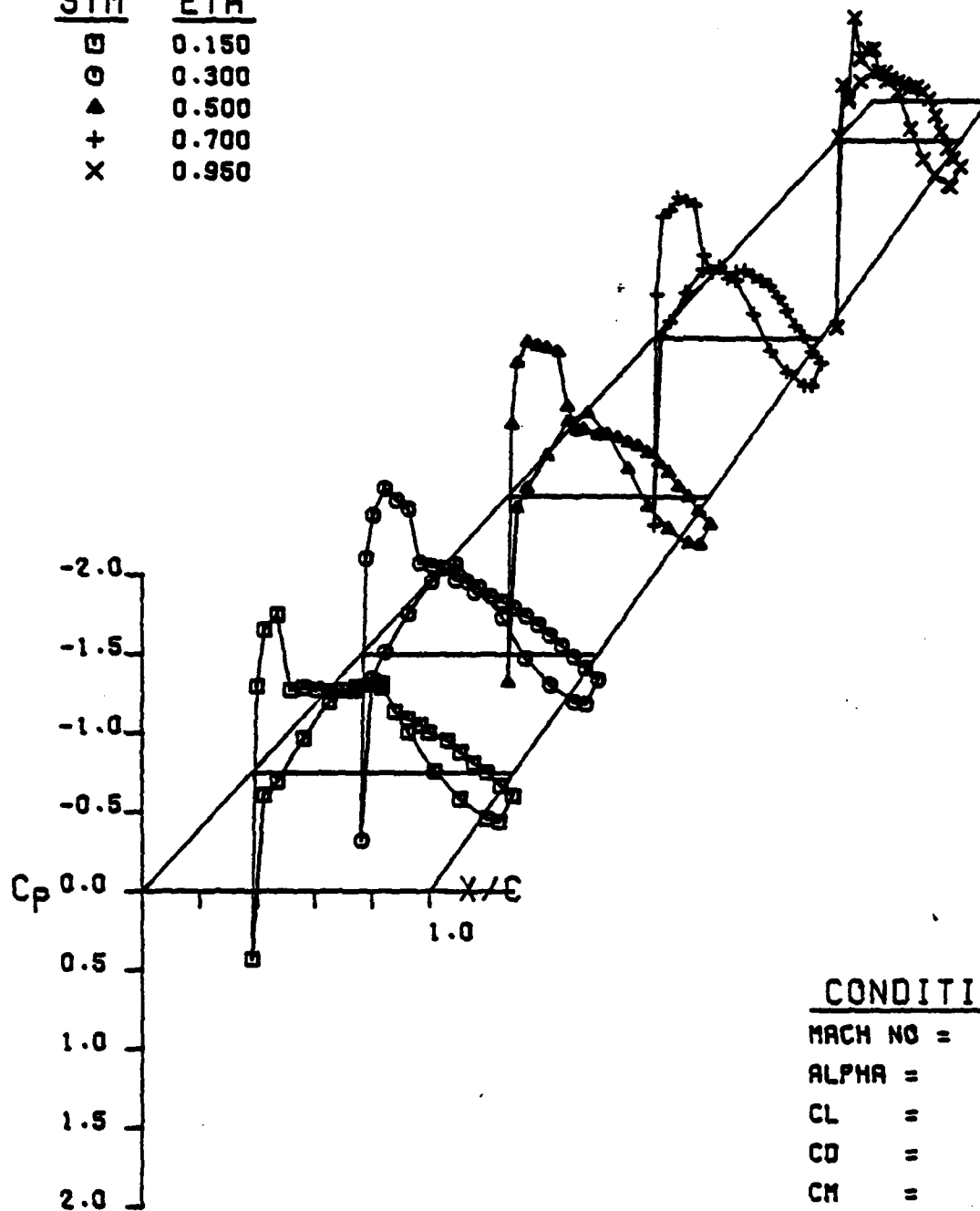
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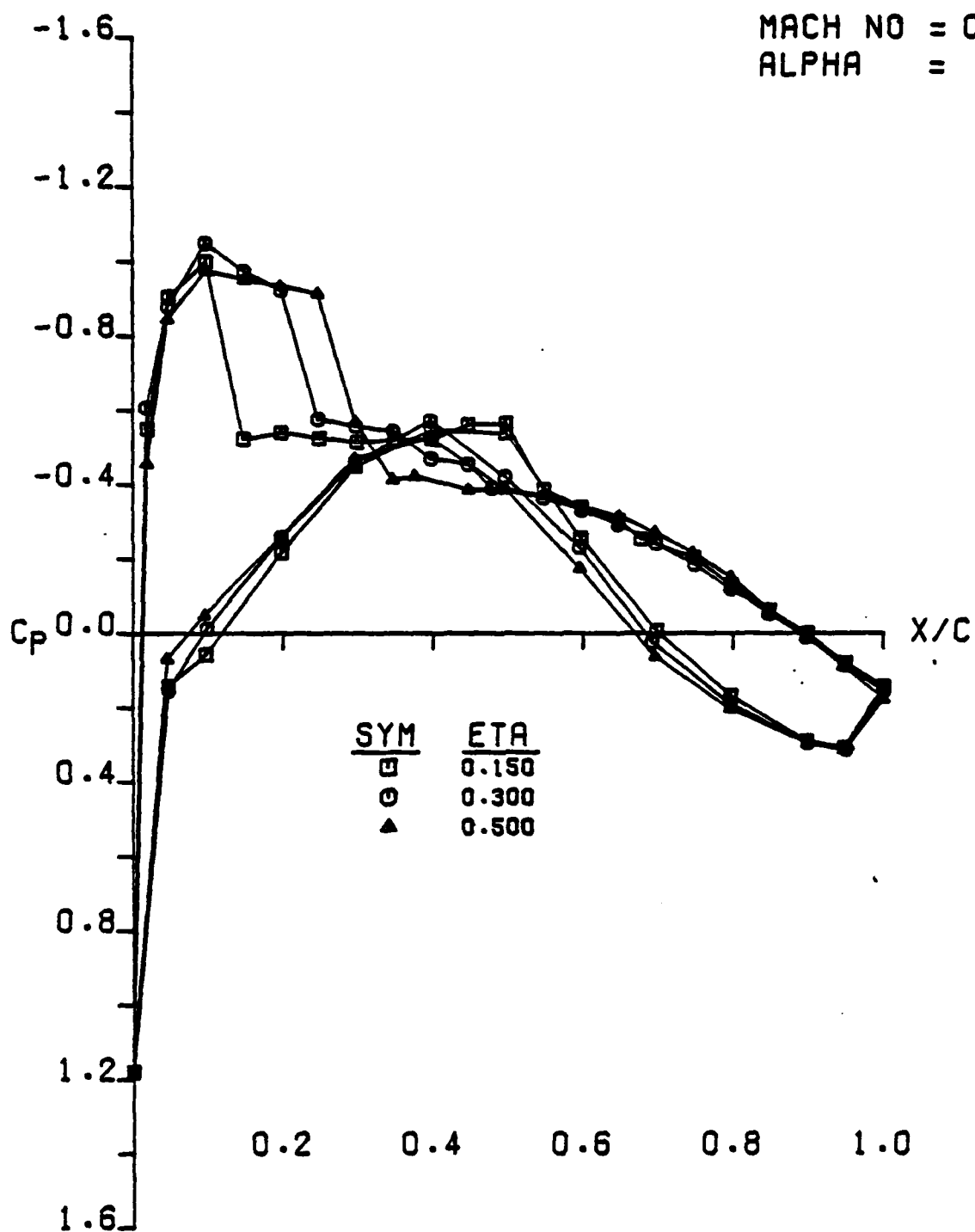
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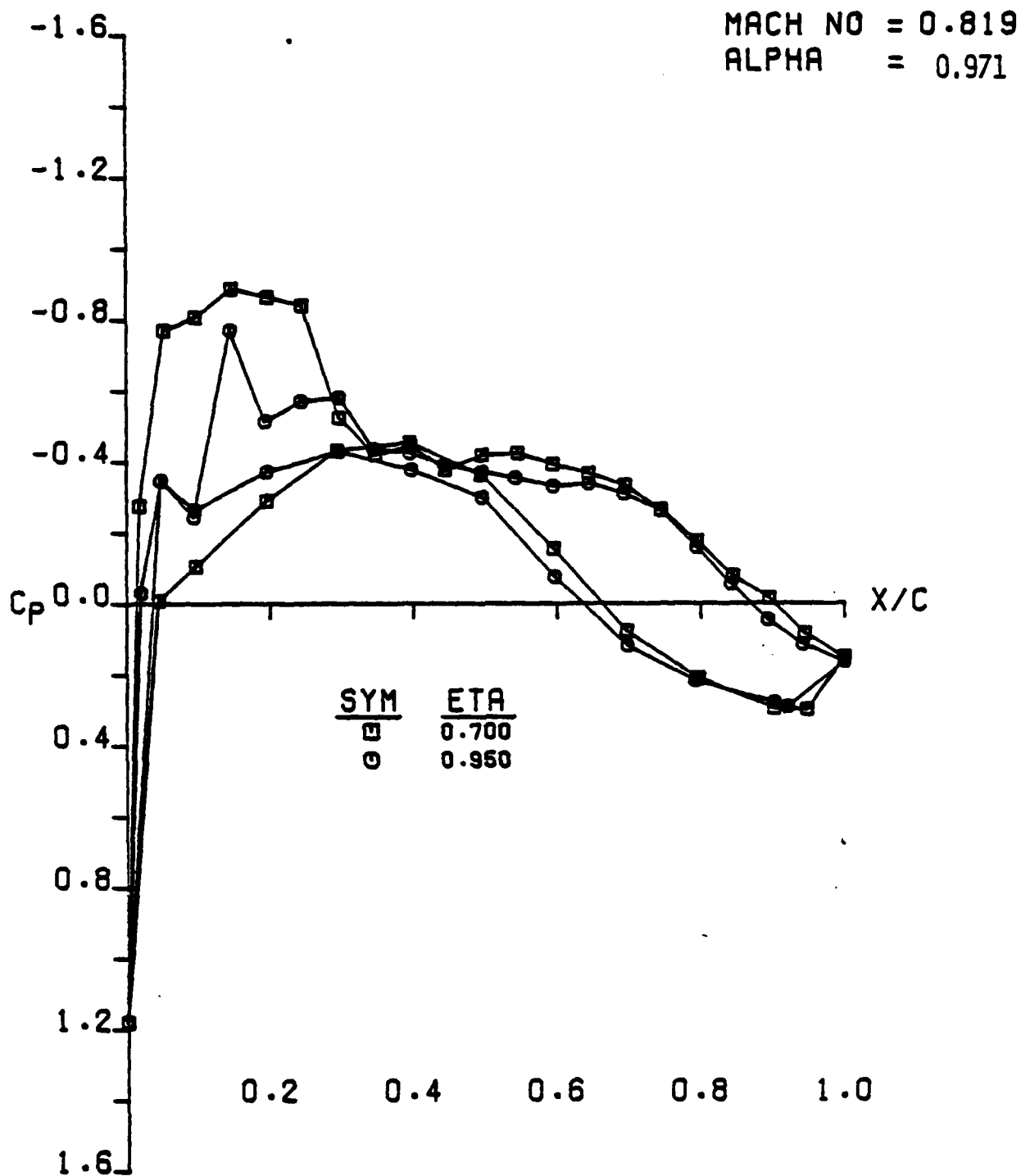


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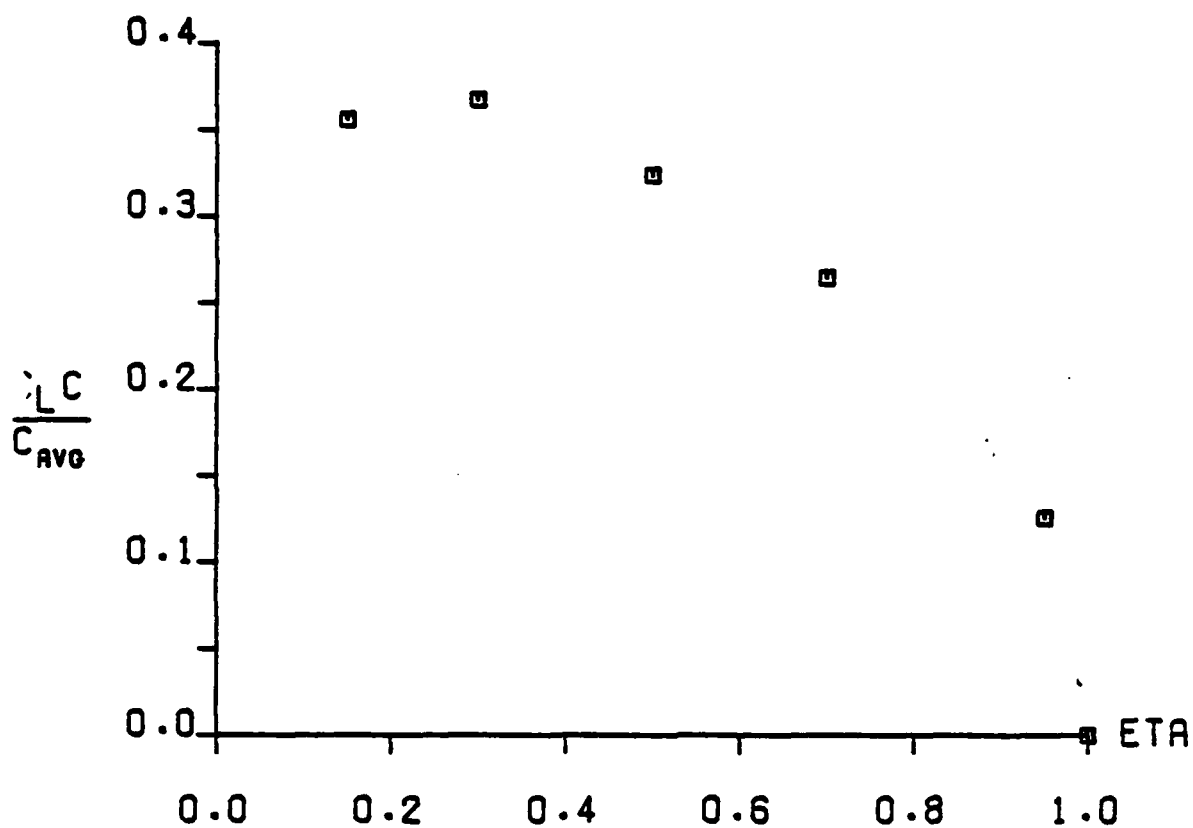


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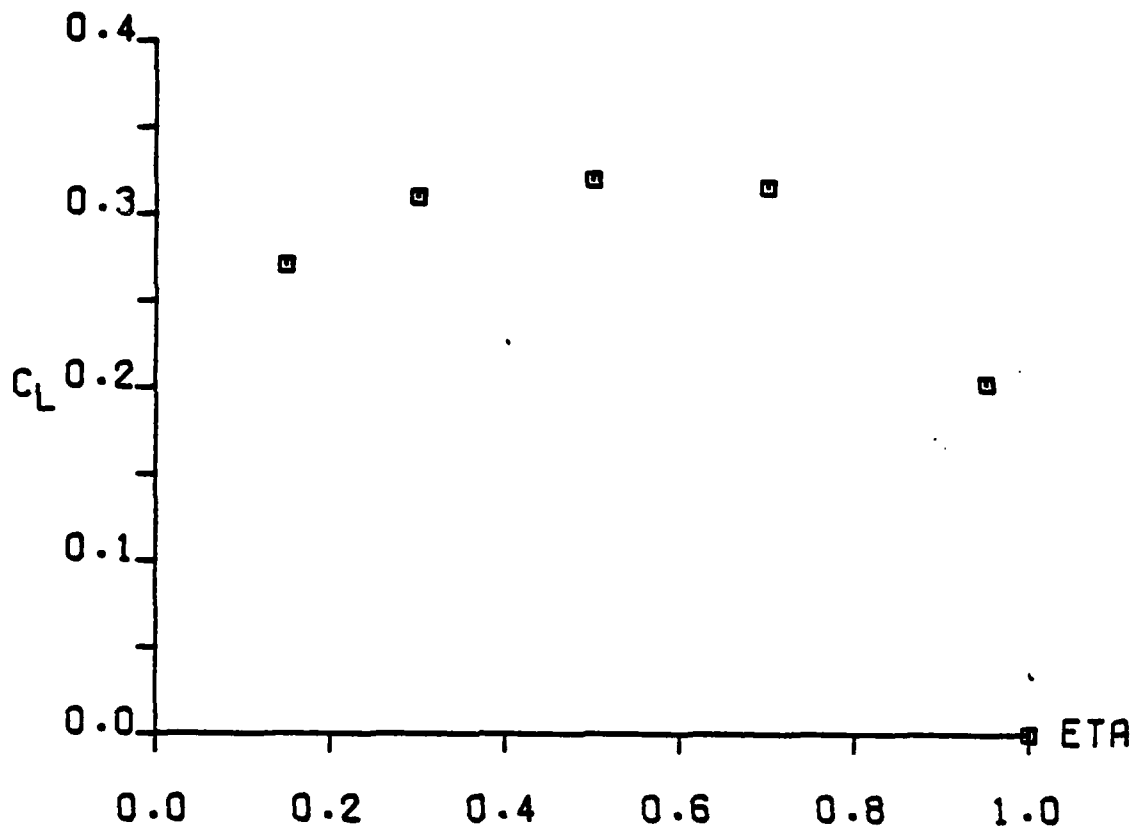
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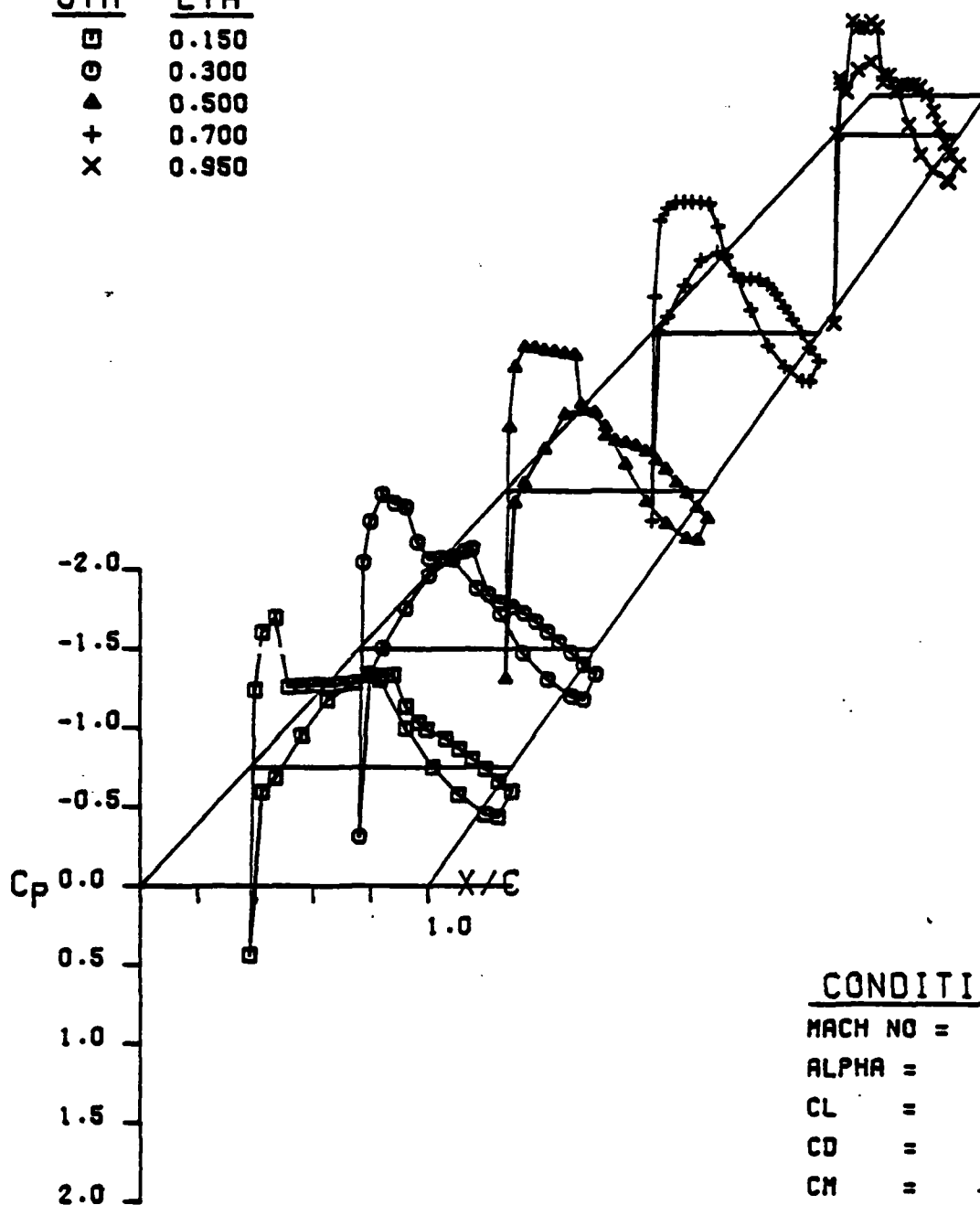
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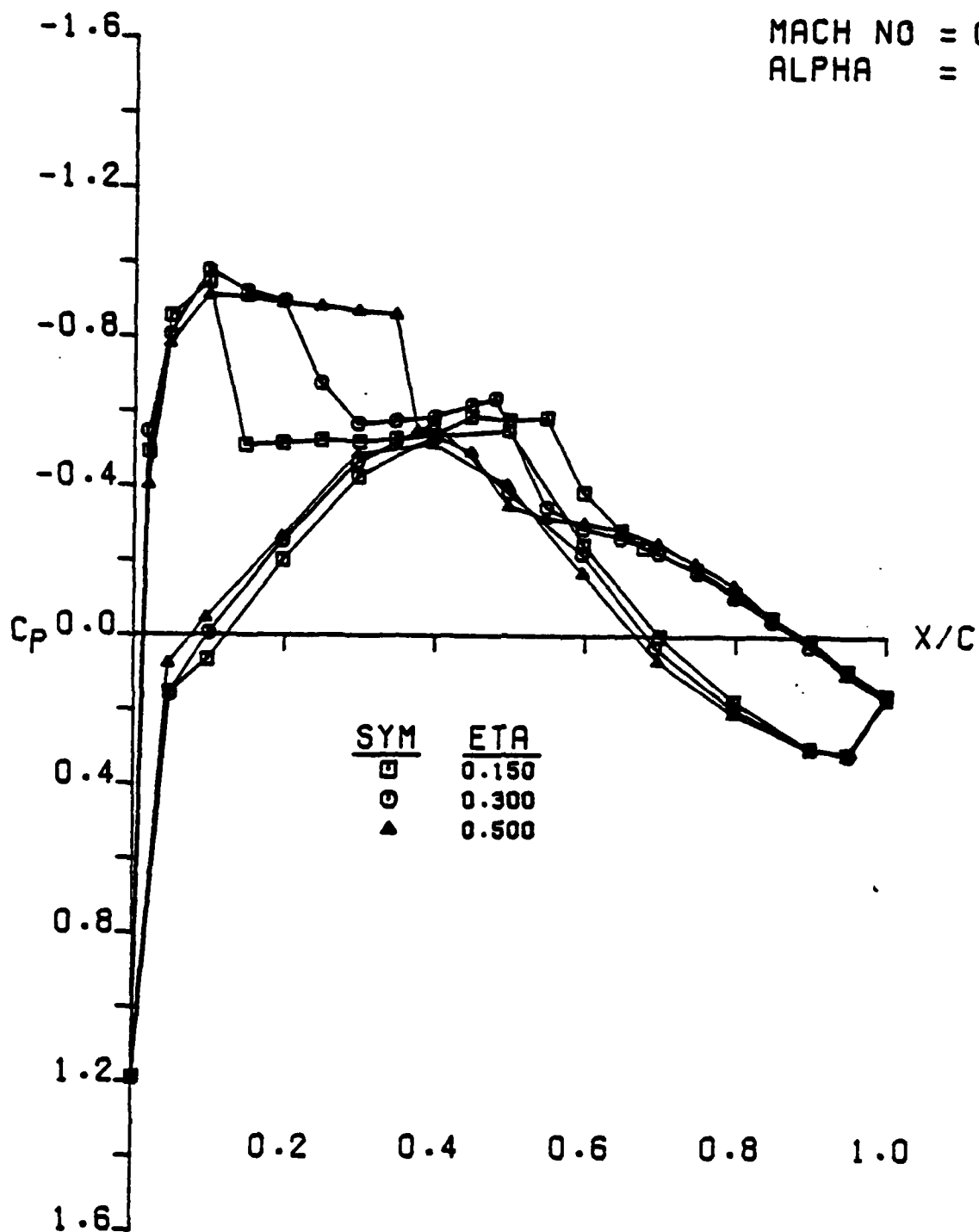
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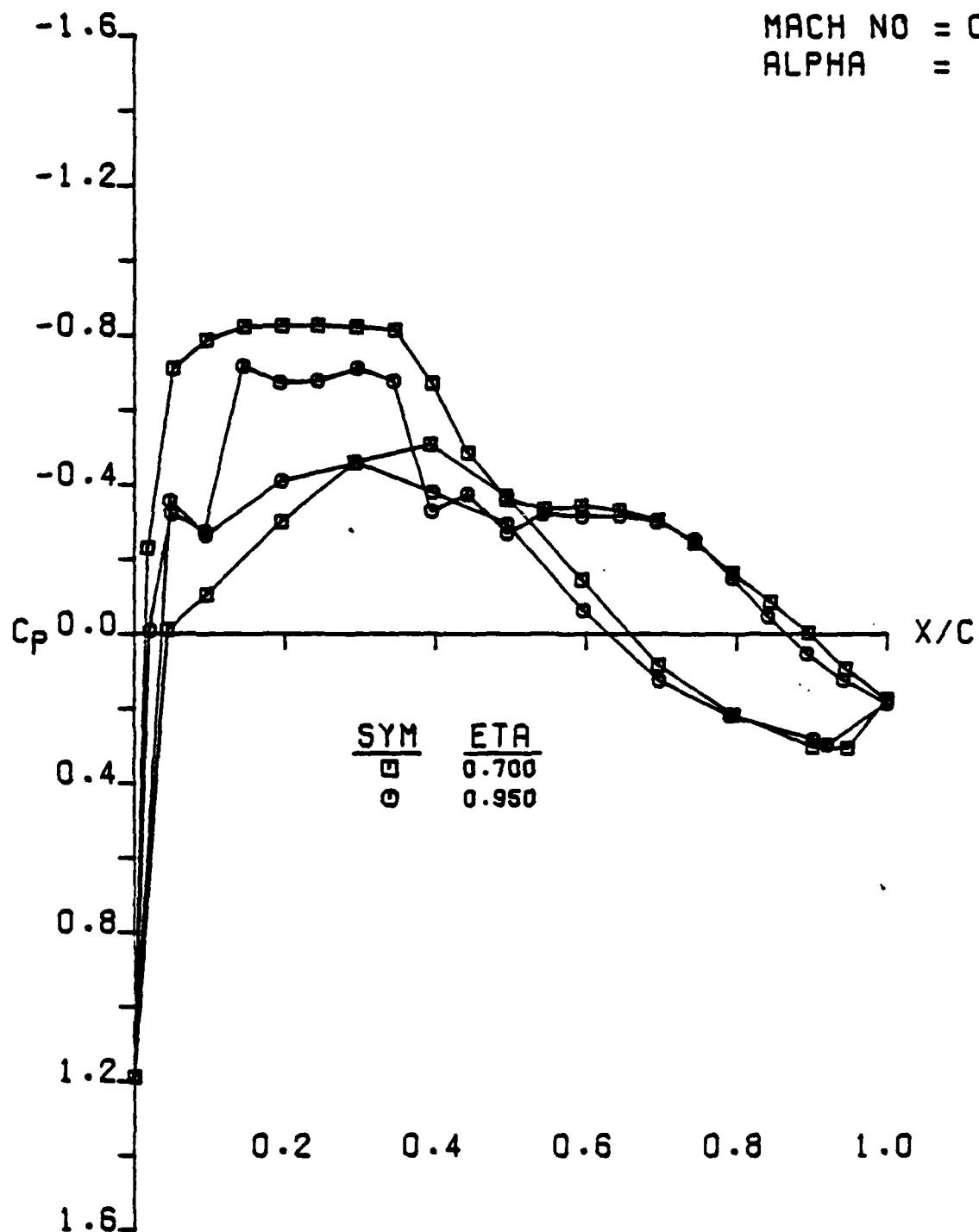


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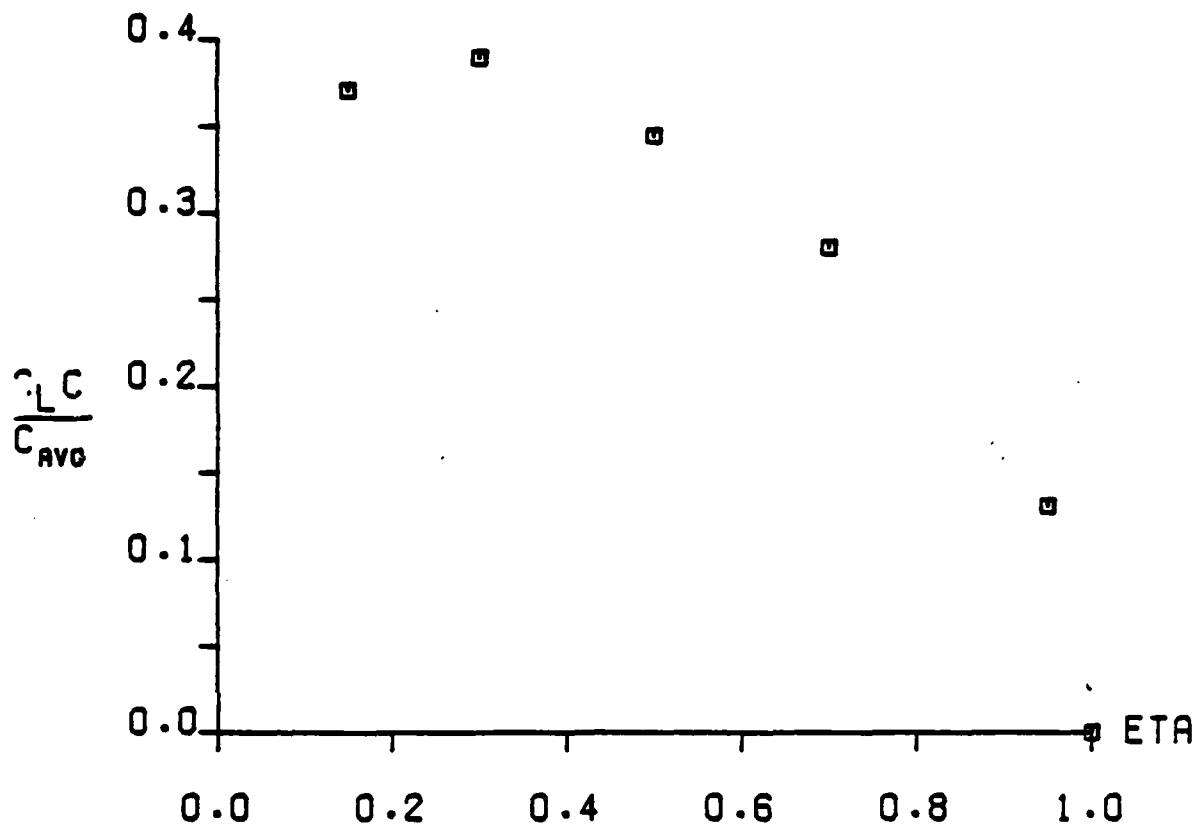


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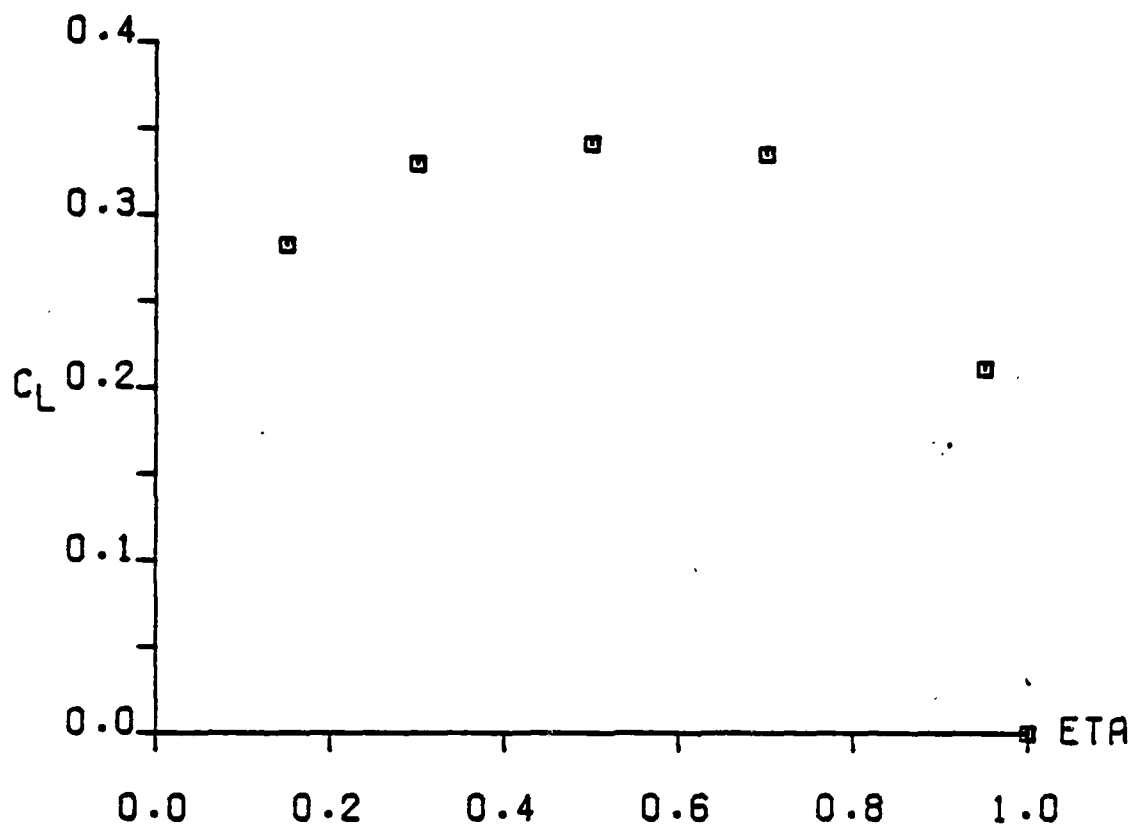
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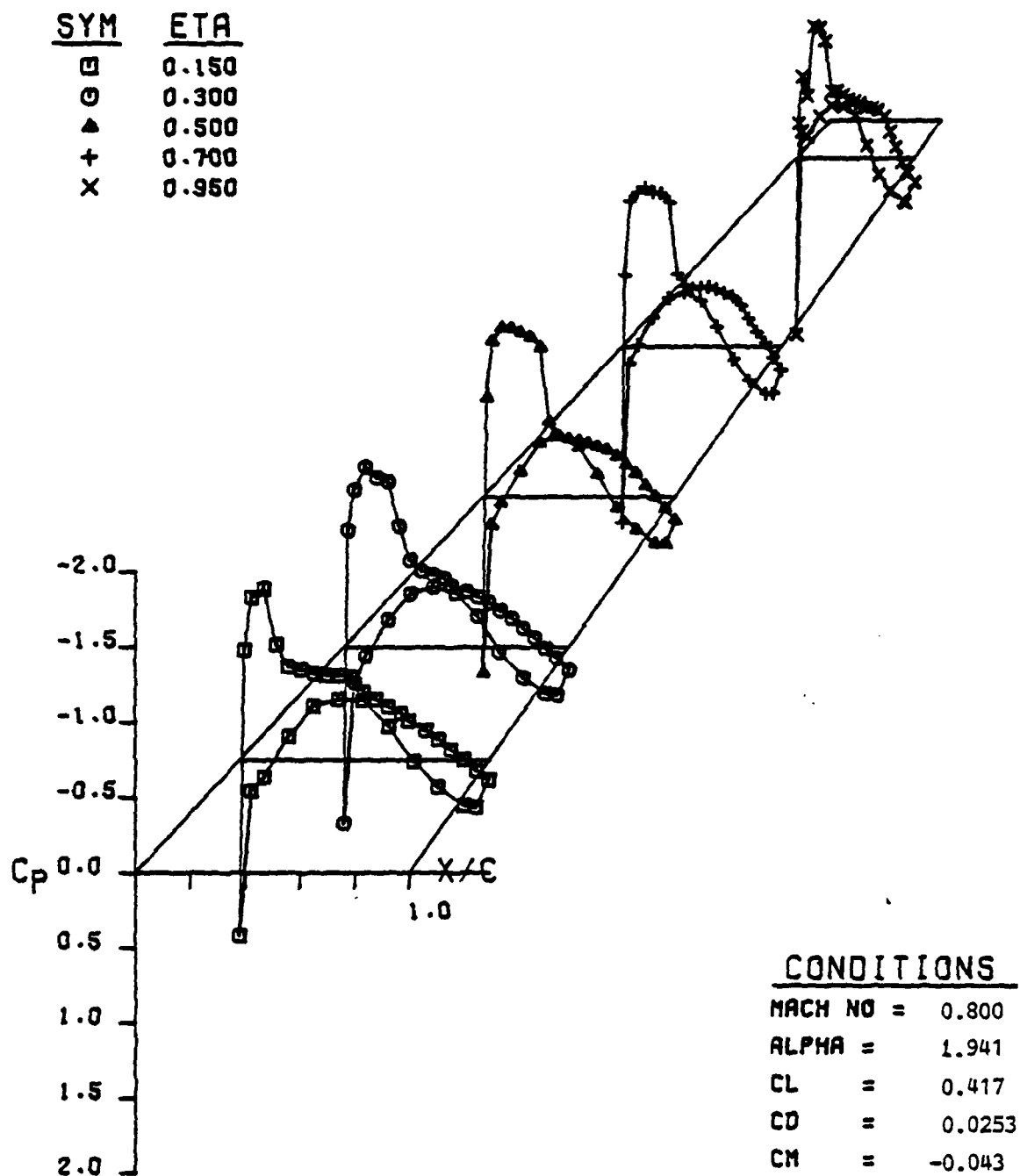


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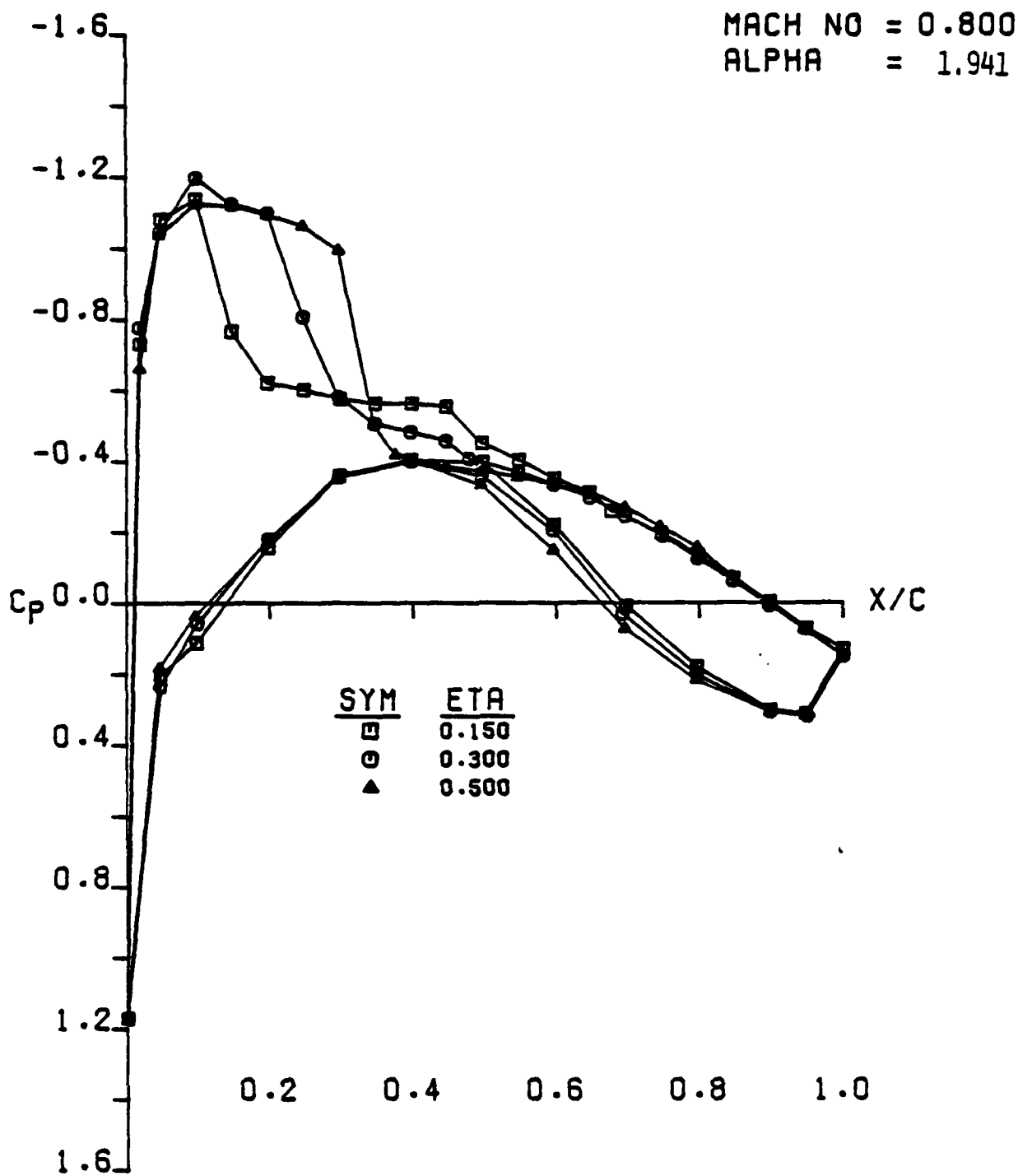
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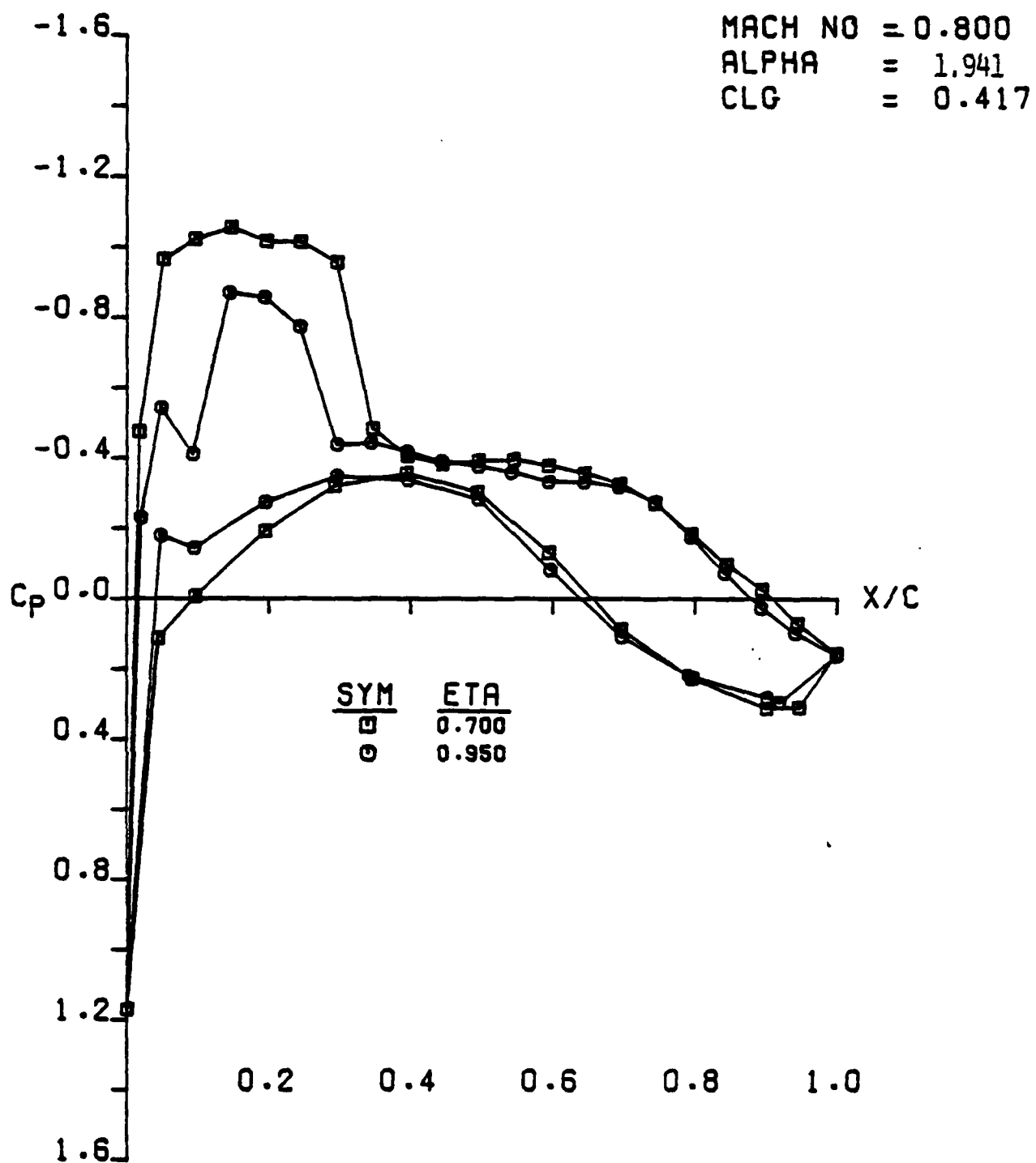
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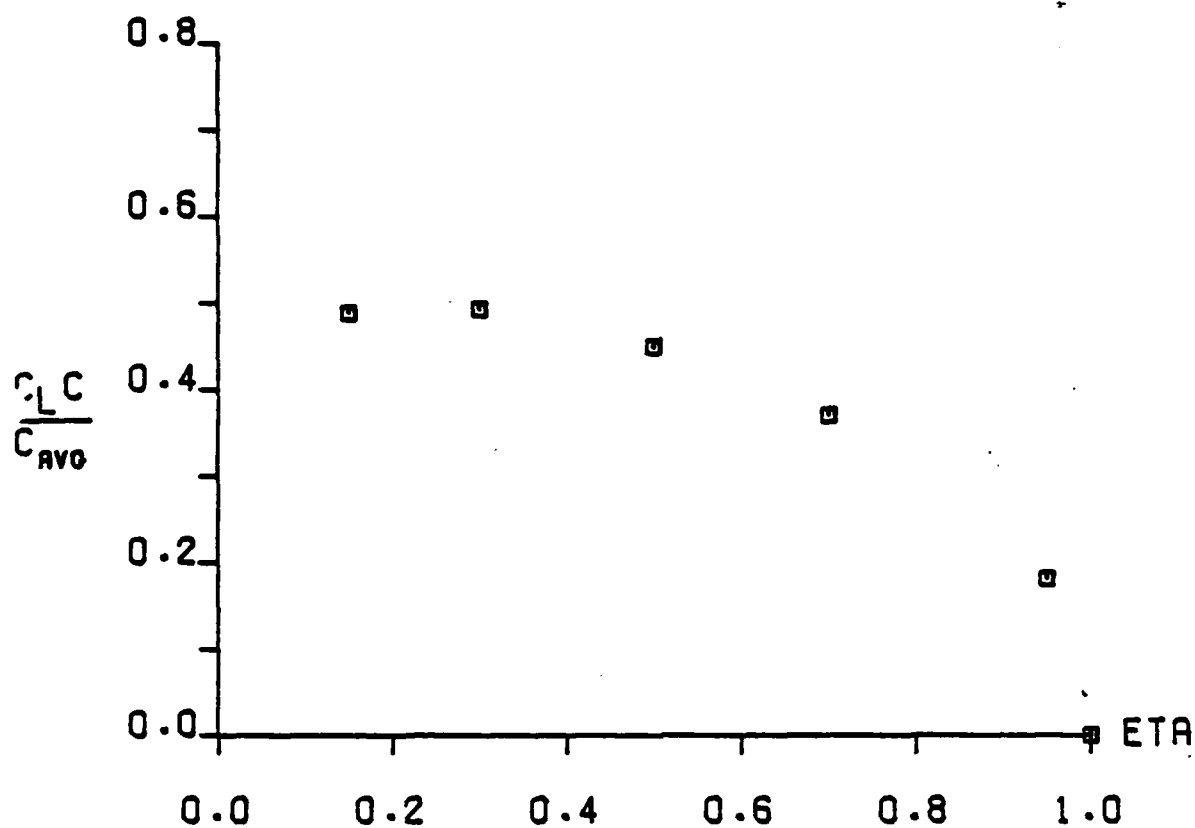


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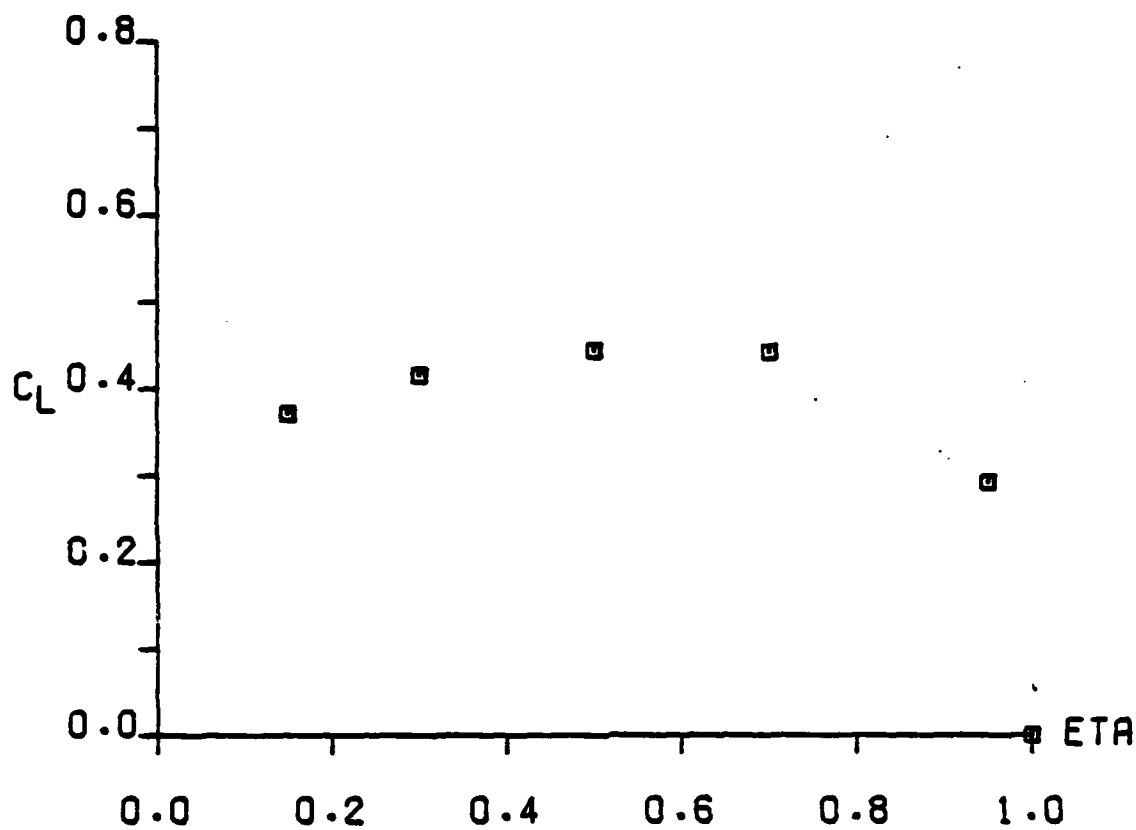
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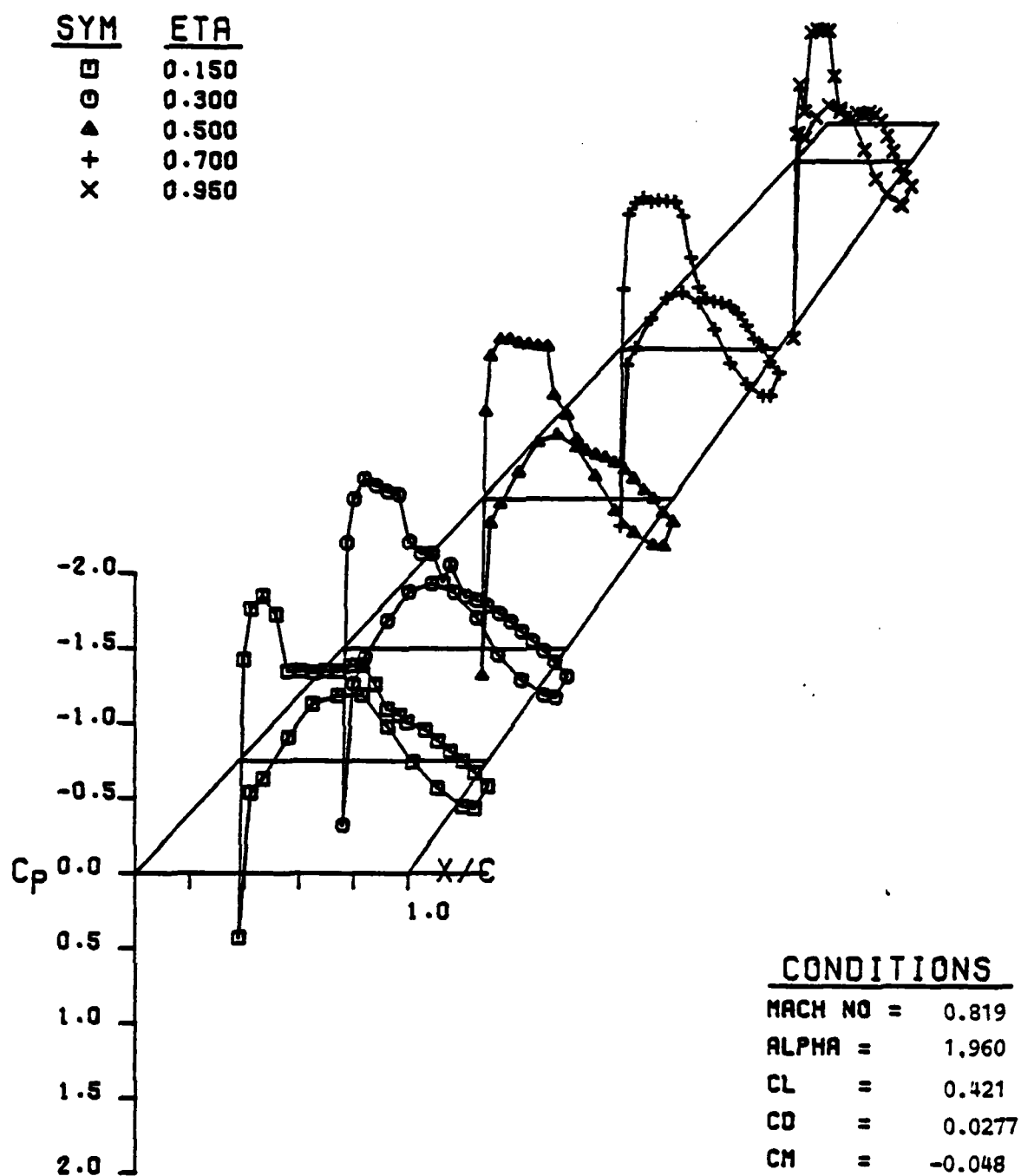


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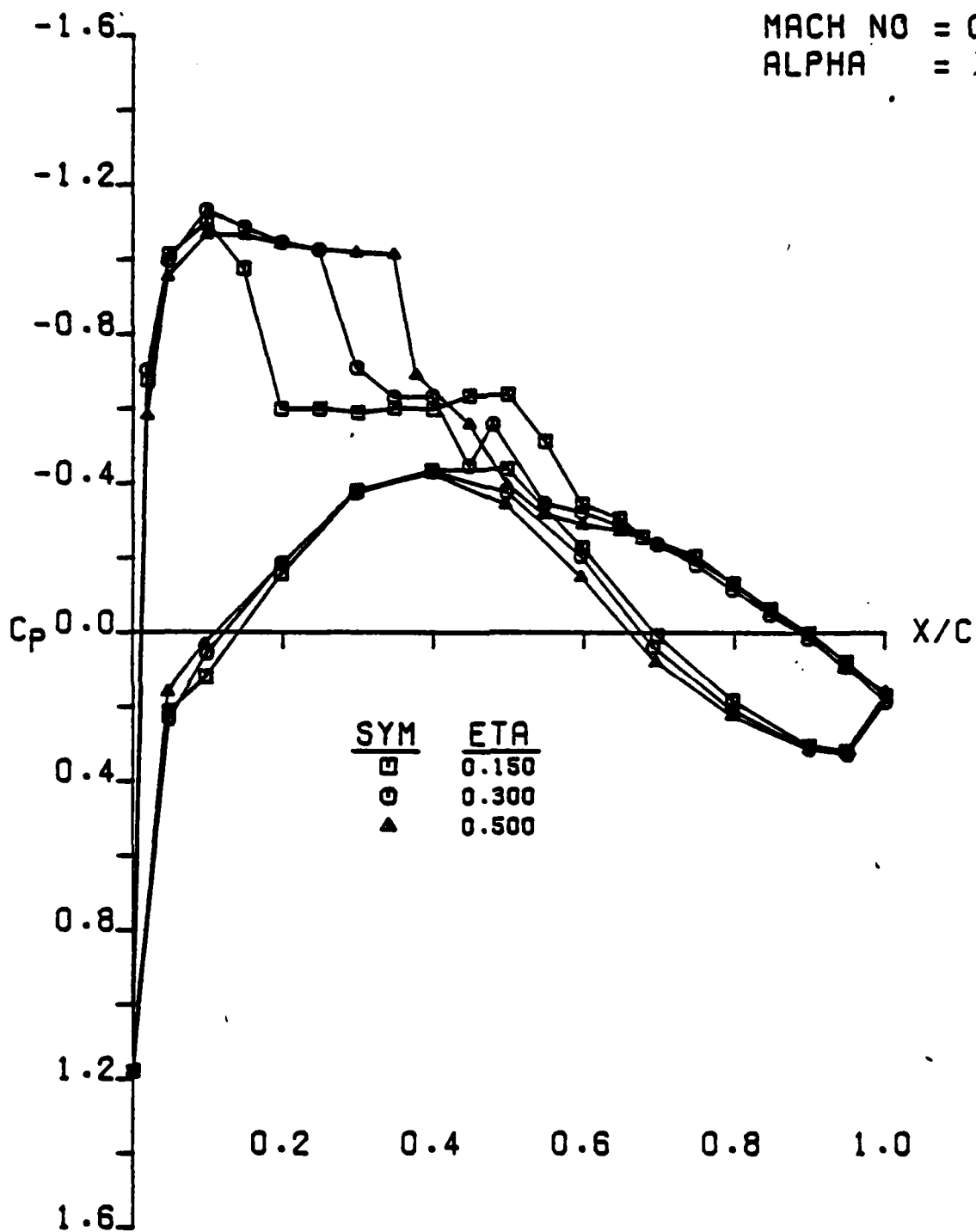
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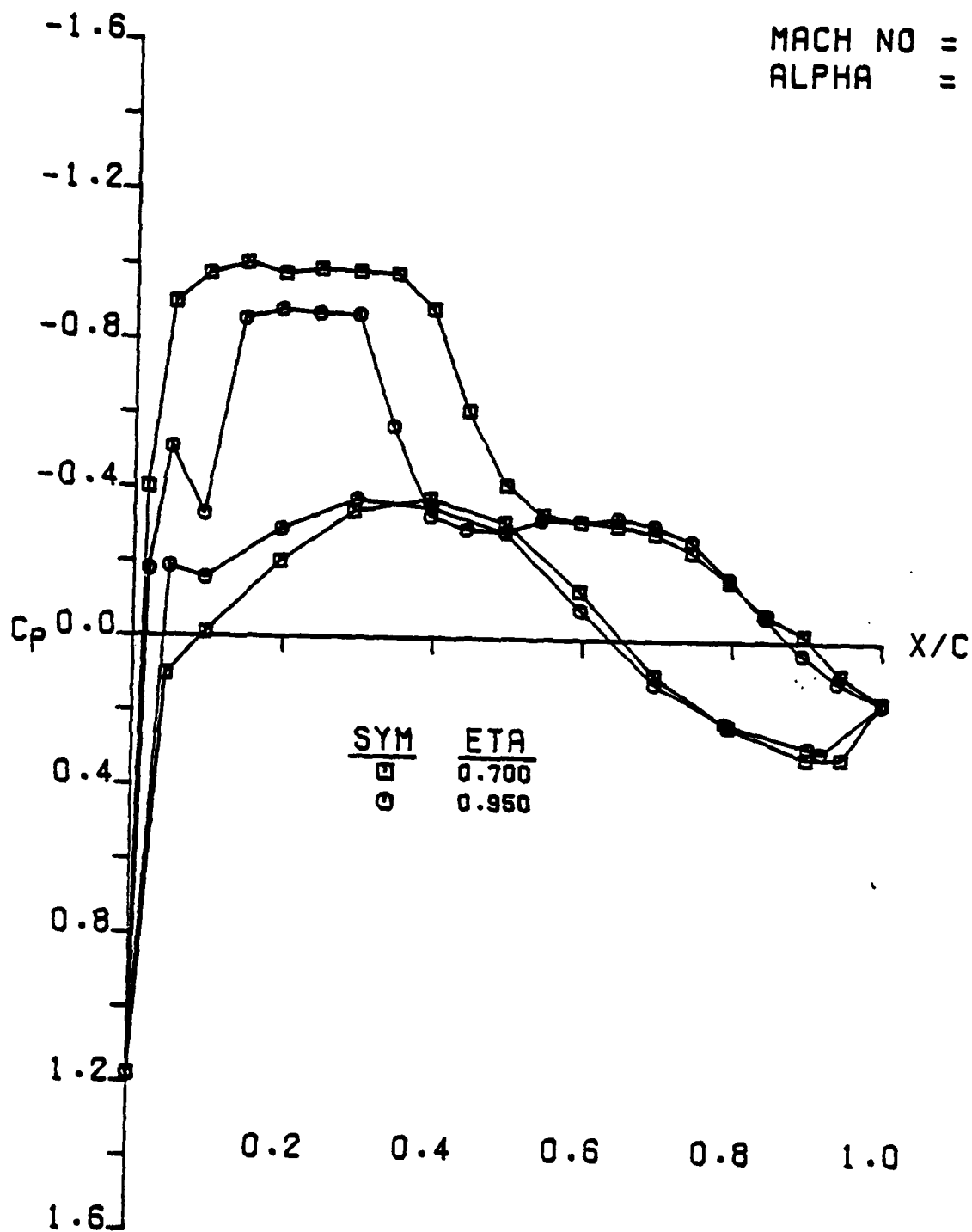
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LOCKHEED CFWT SEMI-SPAN TEST, RUN 34
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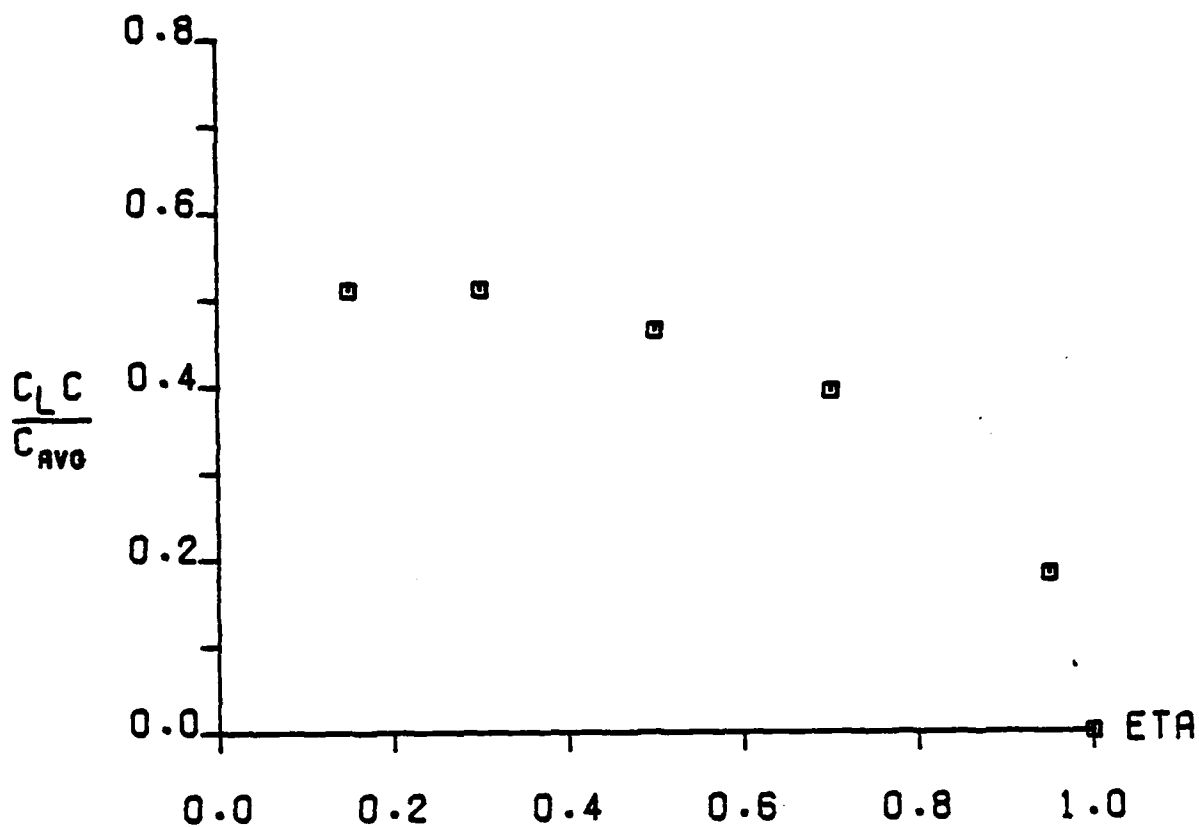


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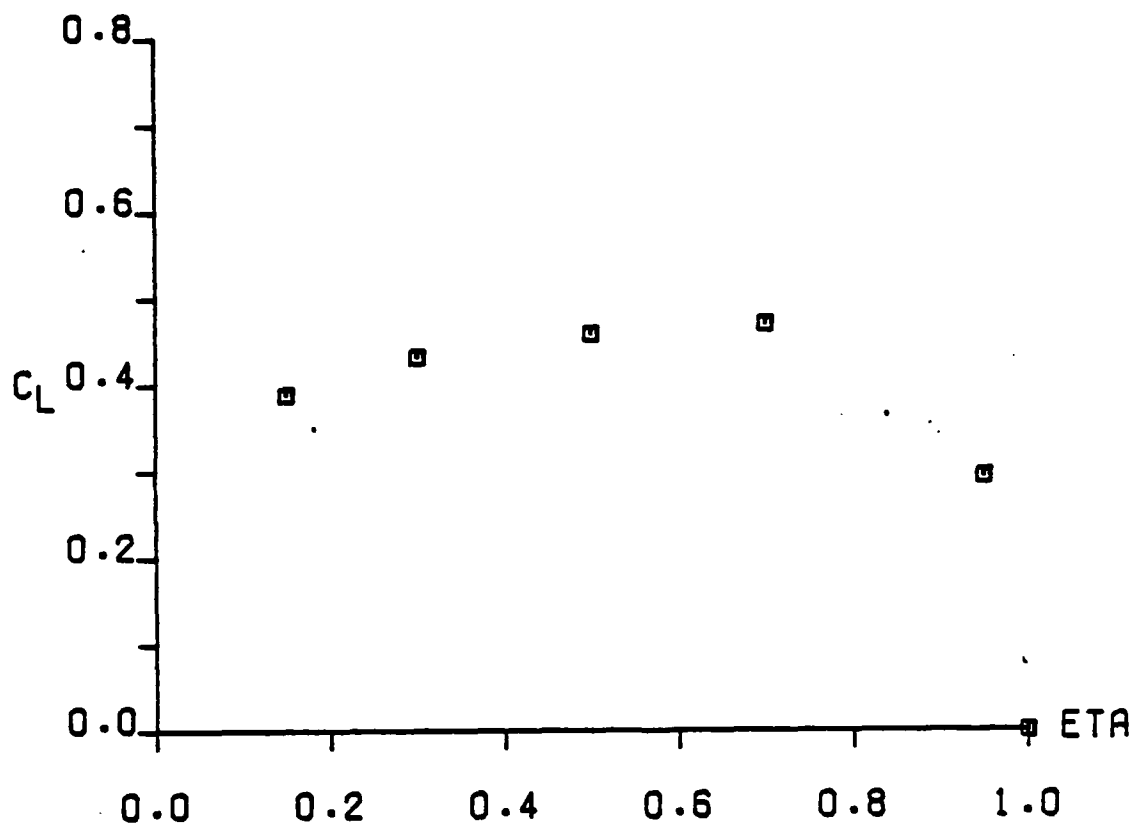
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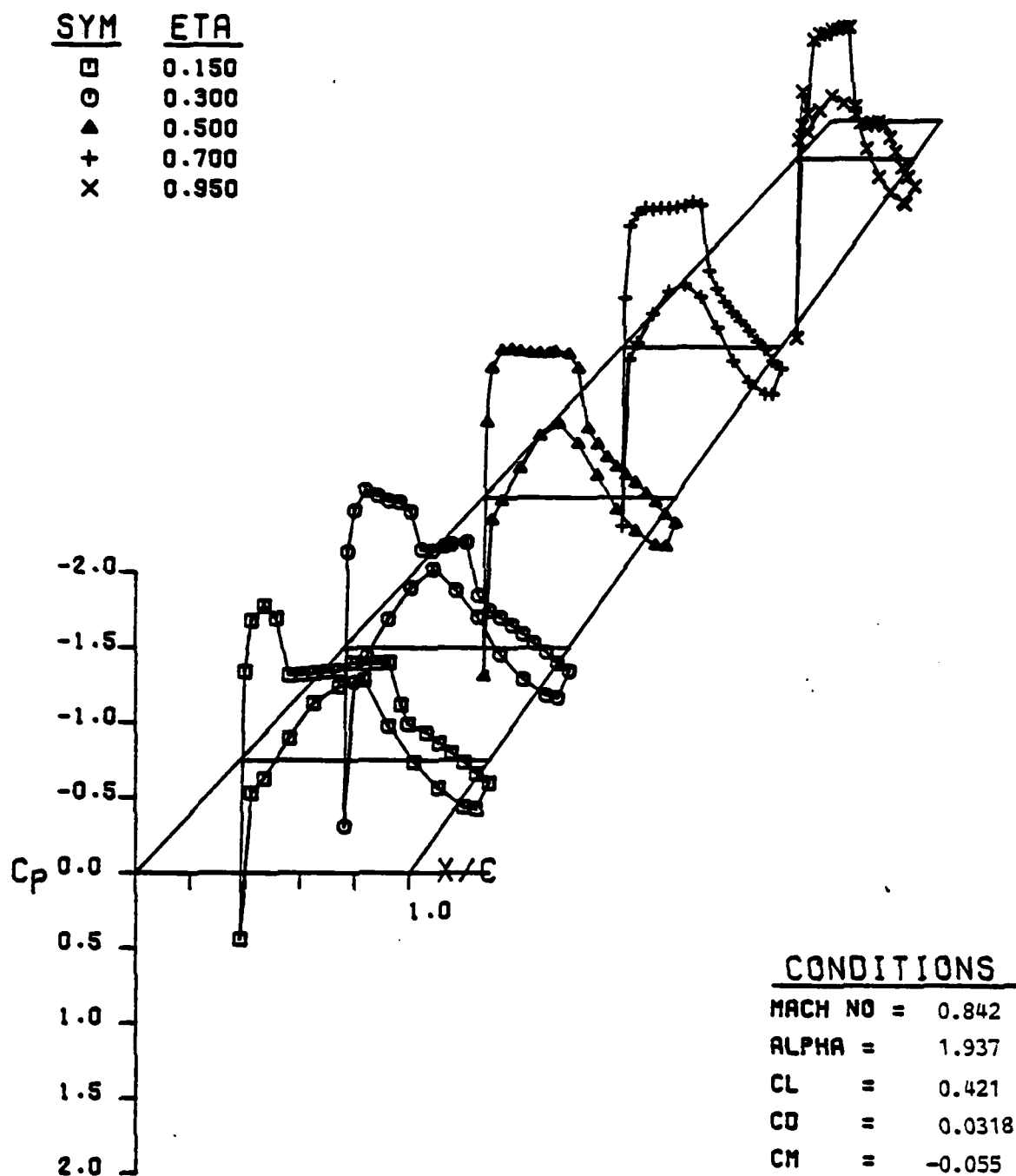


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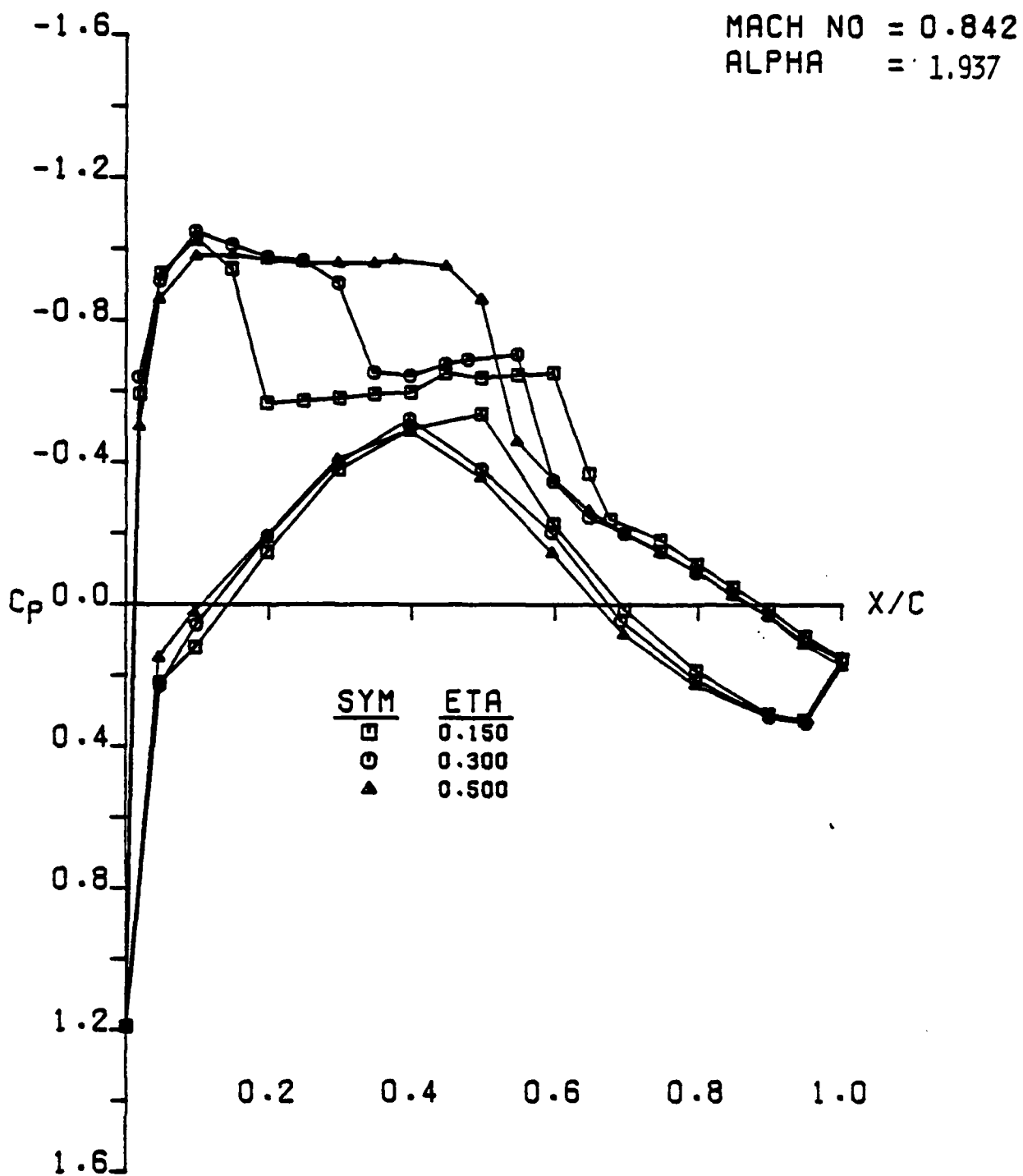
MACH NO = 0.819
ALPHA = 1.960



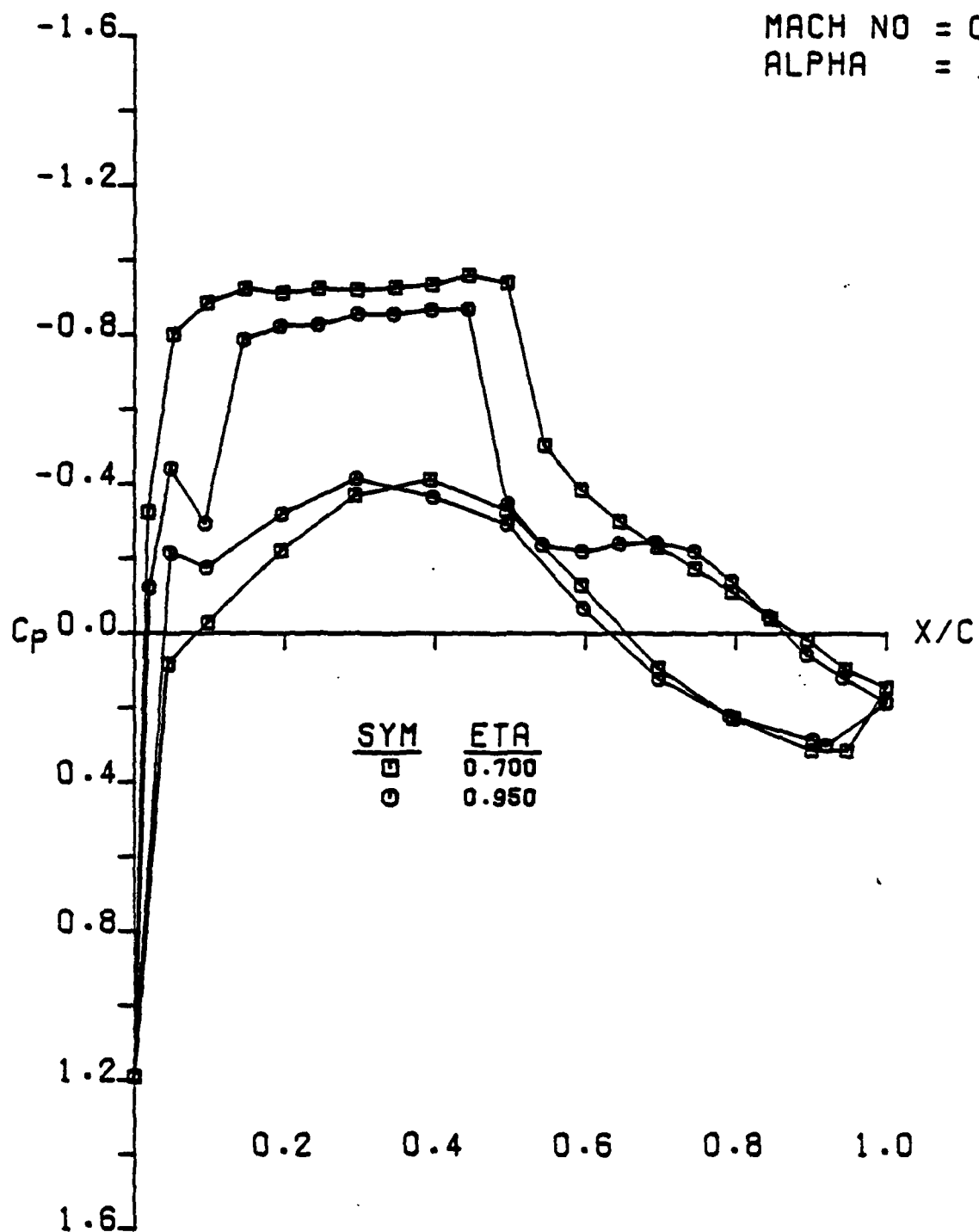
LOCKHEED CFWT SEMI-SPAN TEST, RUN 34
TITLE
AFOSR SEMISPAN MODEL A



LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
 TITLE
 AFOSR SEMISPAN MODEL A

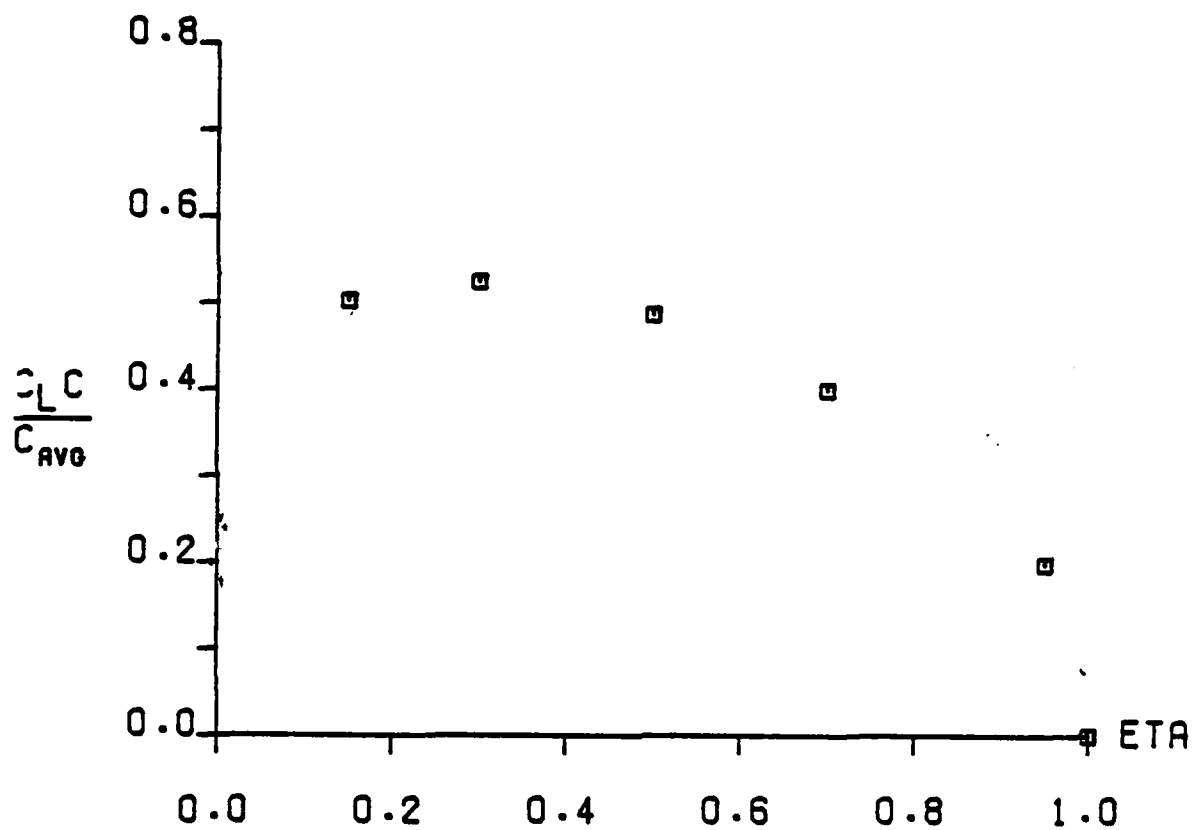


LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
TITLE
AFOSR SEMISPAN MODEL A



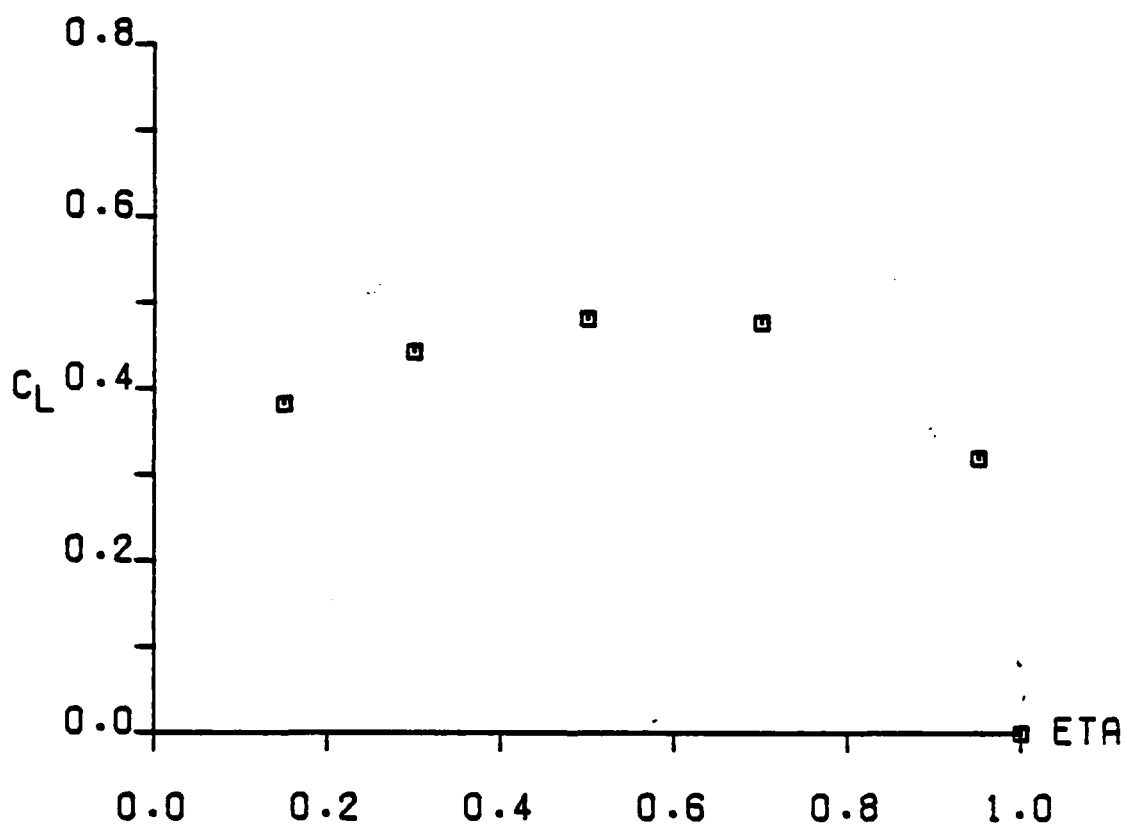
LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
TITLE
AFOSR SEMISPAN MODEL A

MACH NO = 0.842
ALPHA = 1.937



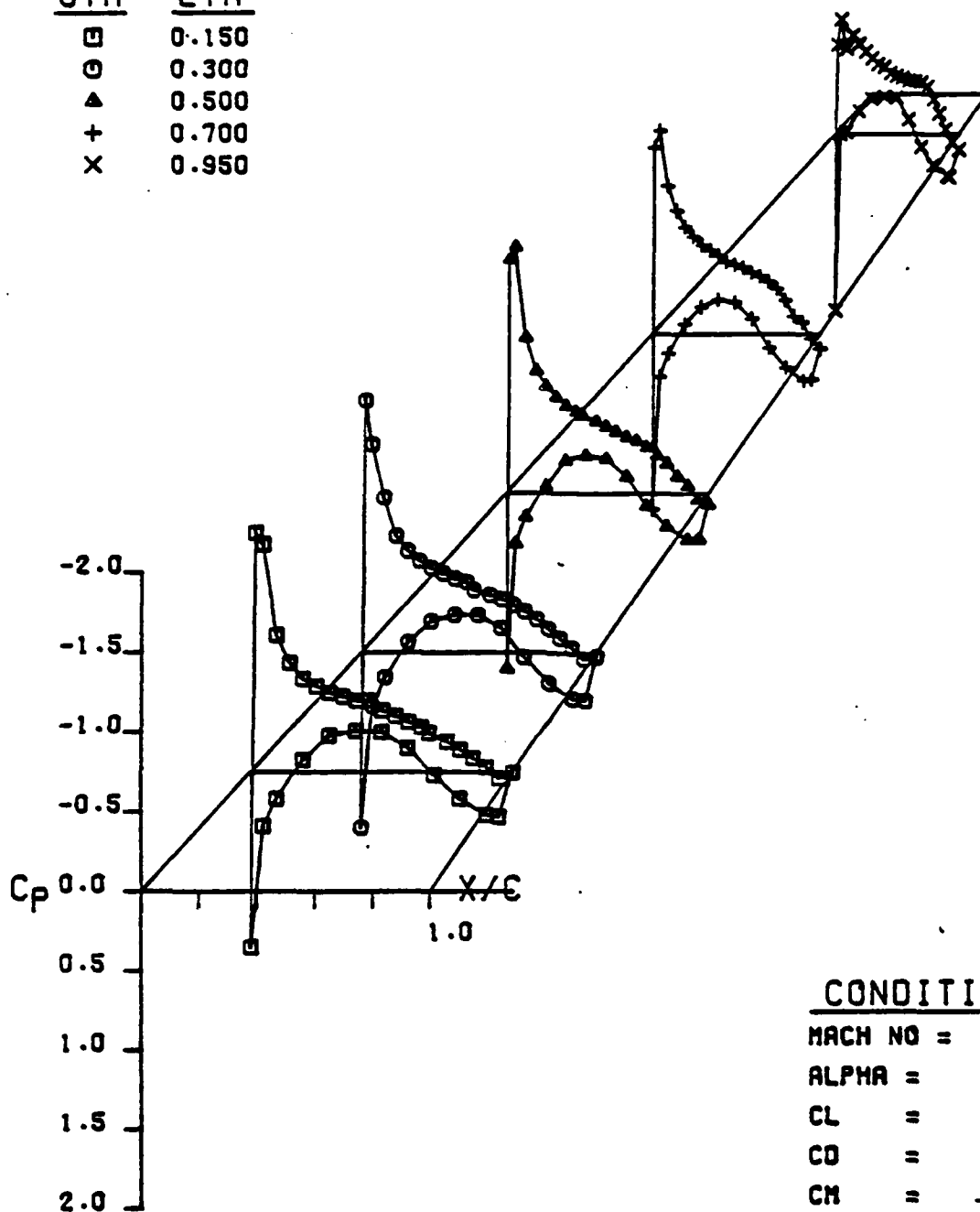
LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
TITLE
AFOSR SEMISPAN MODEL A

MACH NO = 0.842
ALPHA = 1.937



LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
TITLE
AFOSR SEMISPAN MODEL A

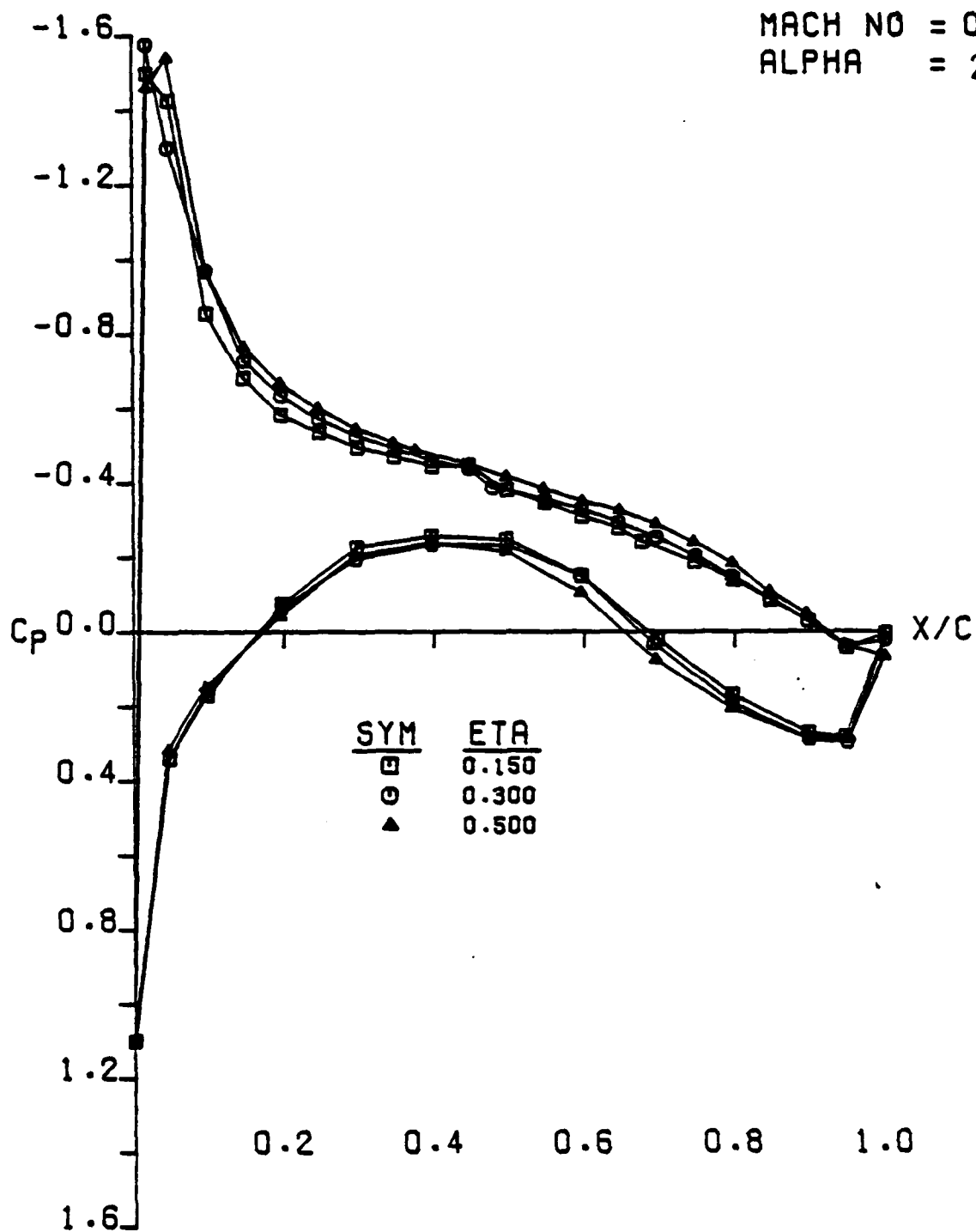
<u>SYM</u>	<u>ETA</u>
□	0.150
○	0.300
▲	0.500
+	0.700
x	0.950



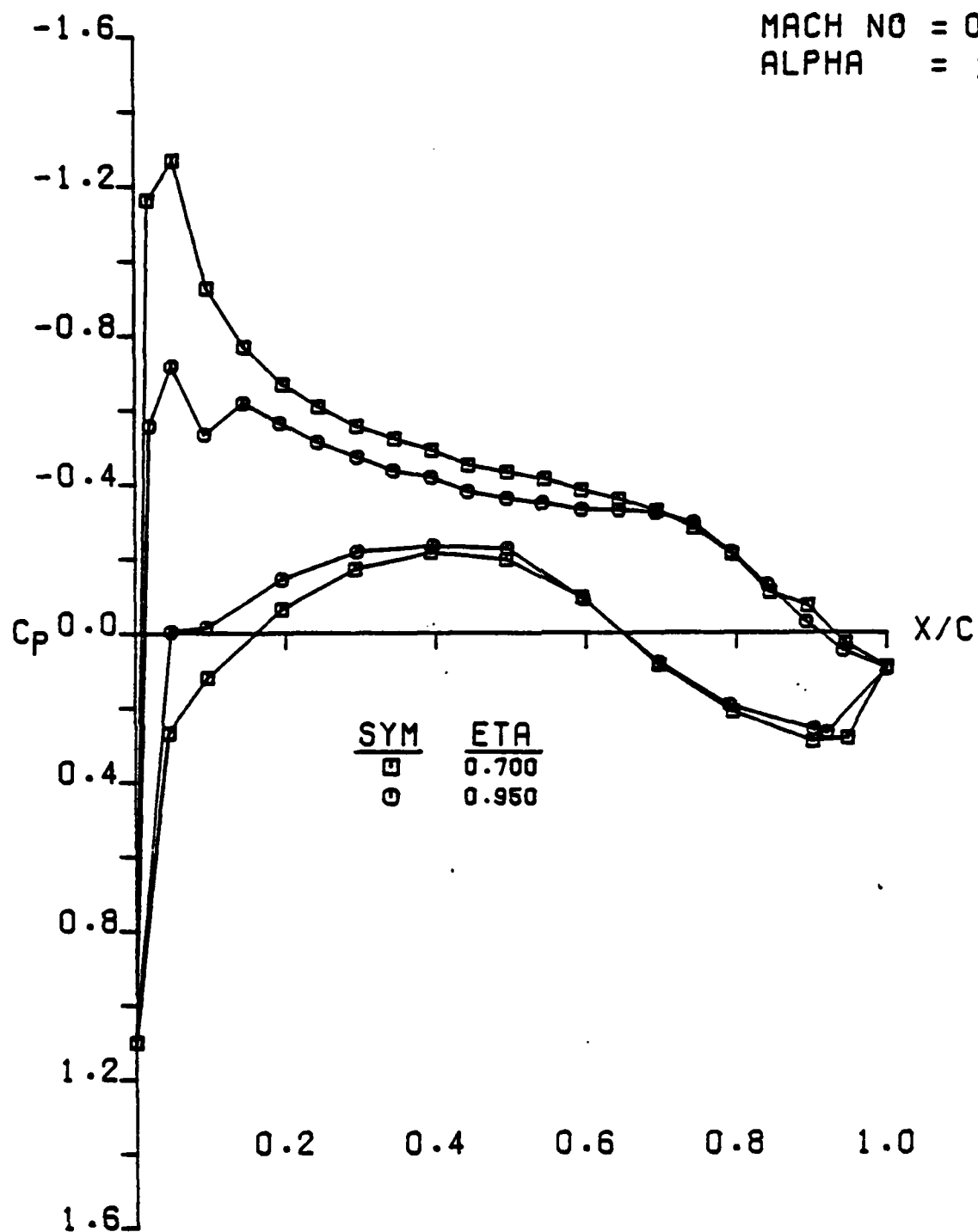
CONDITIONS

MACH NO = 0.622
 ALPHA = 2.976
 CL = 0.451
 CD = 0.0232
 CM = -0.042

LOCKHEED CFWT SEMI-SPAN TEST, RUN 18
 TITLE
 AFOSR SEMISPAN MODEL A

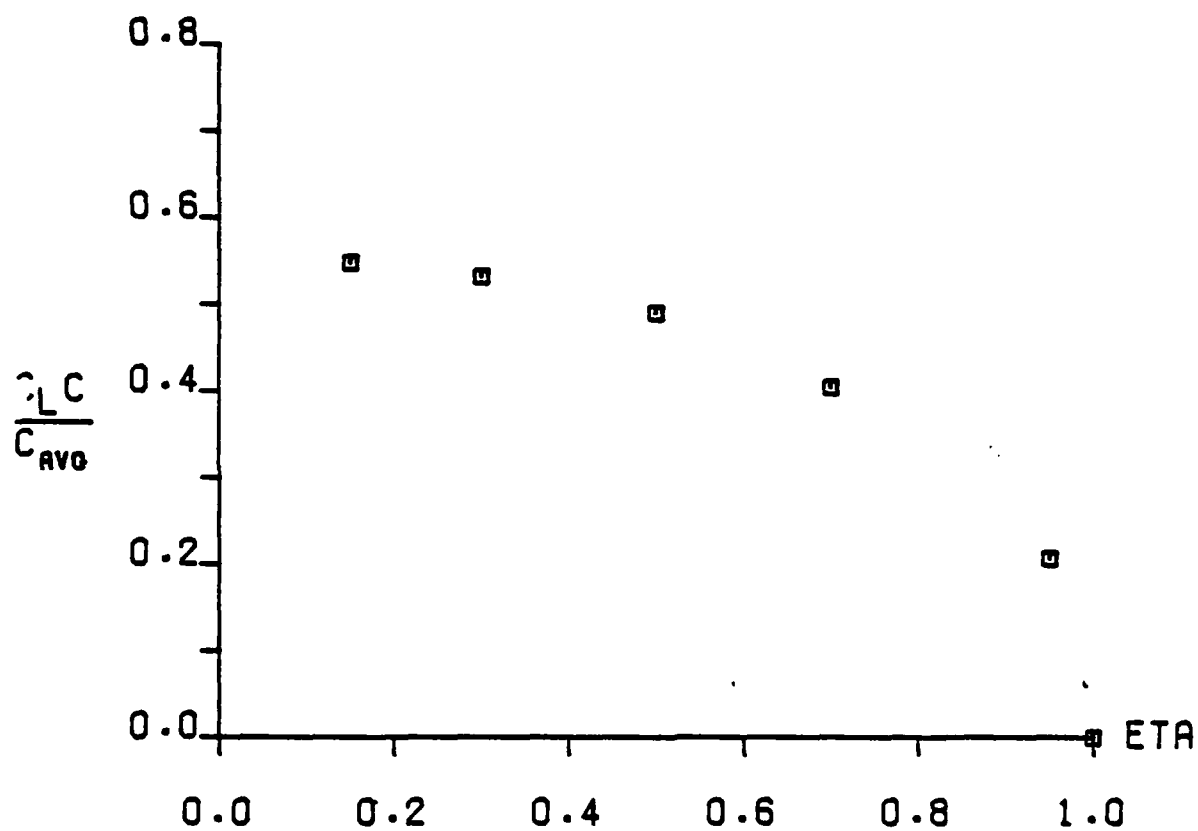


LOCKHEED CFWT SEMI-SPAN TEST, RUN 18
TITLE
AFOSR SEMISPAN MODEL A



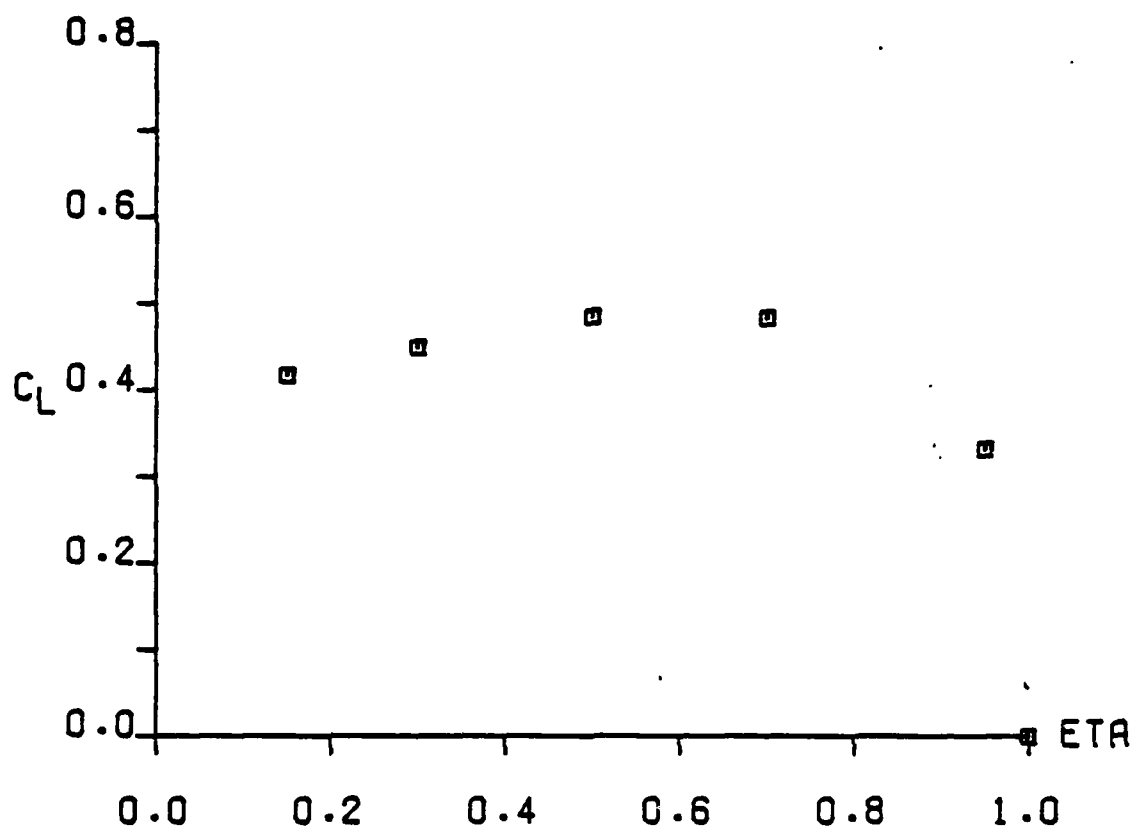
LOCKHEED CFWT SEMI-SPAN TEST, RUN 18
TITLE
AFOSR SEMISPAN MODEL A

MACH NO = 0.622
ALPHA = 2.9761

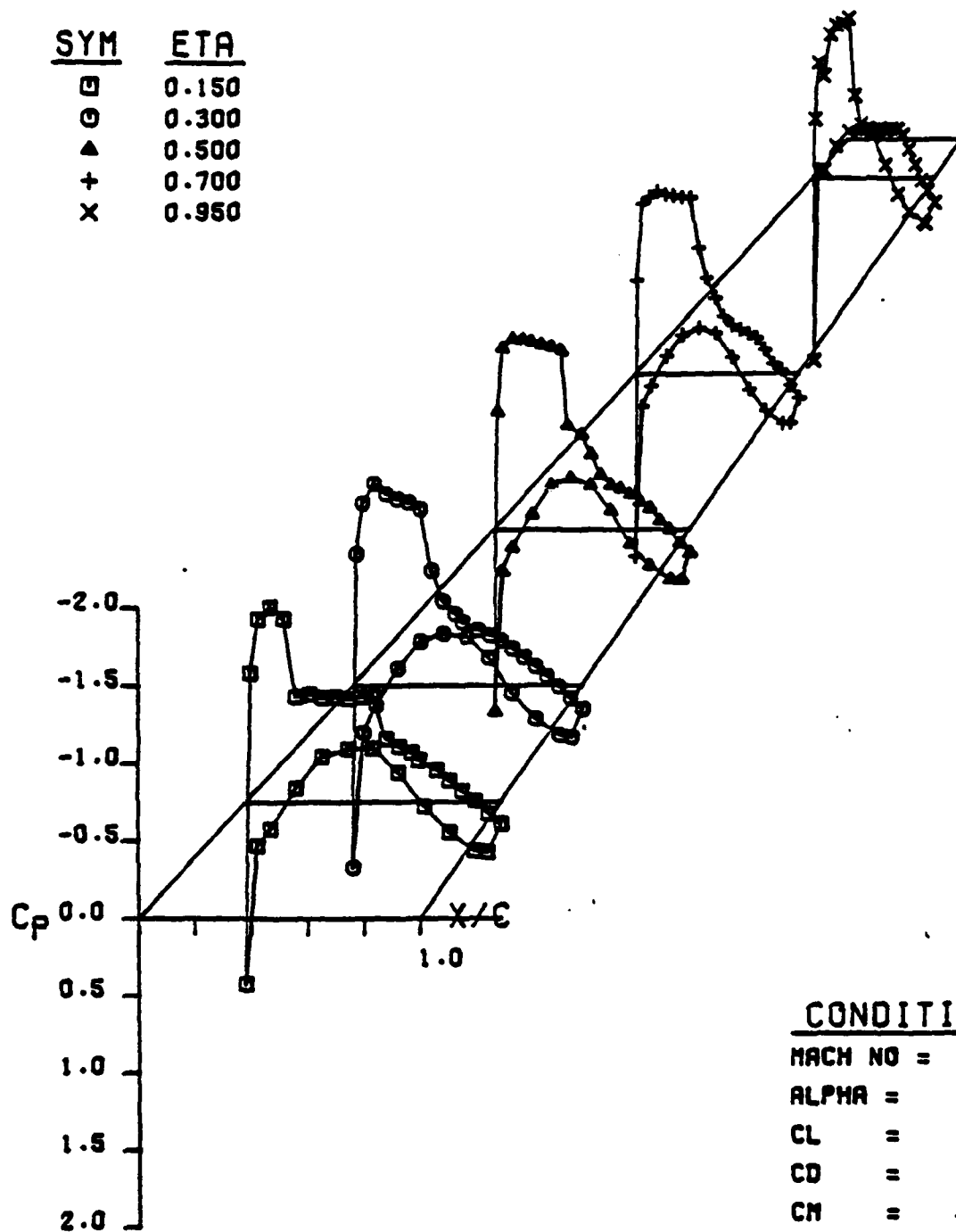


LOCKHEED CFWT SEMI-SPAN TEST, RUN 18
TITLE
AFOSR SEMISPAN MODEL A

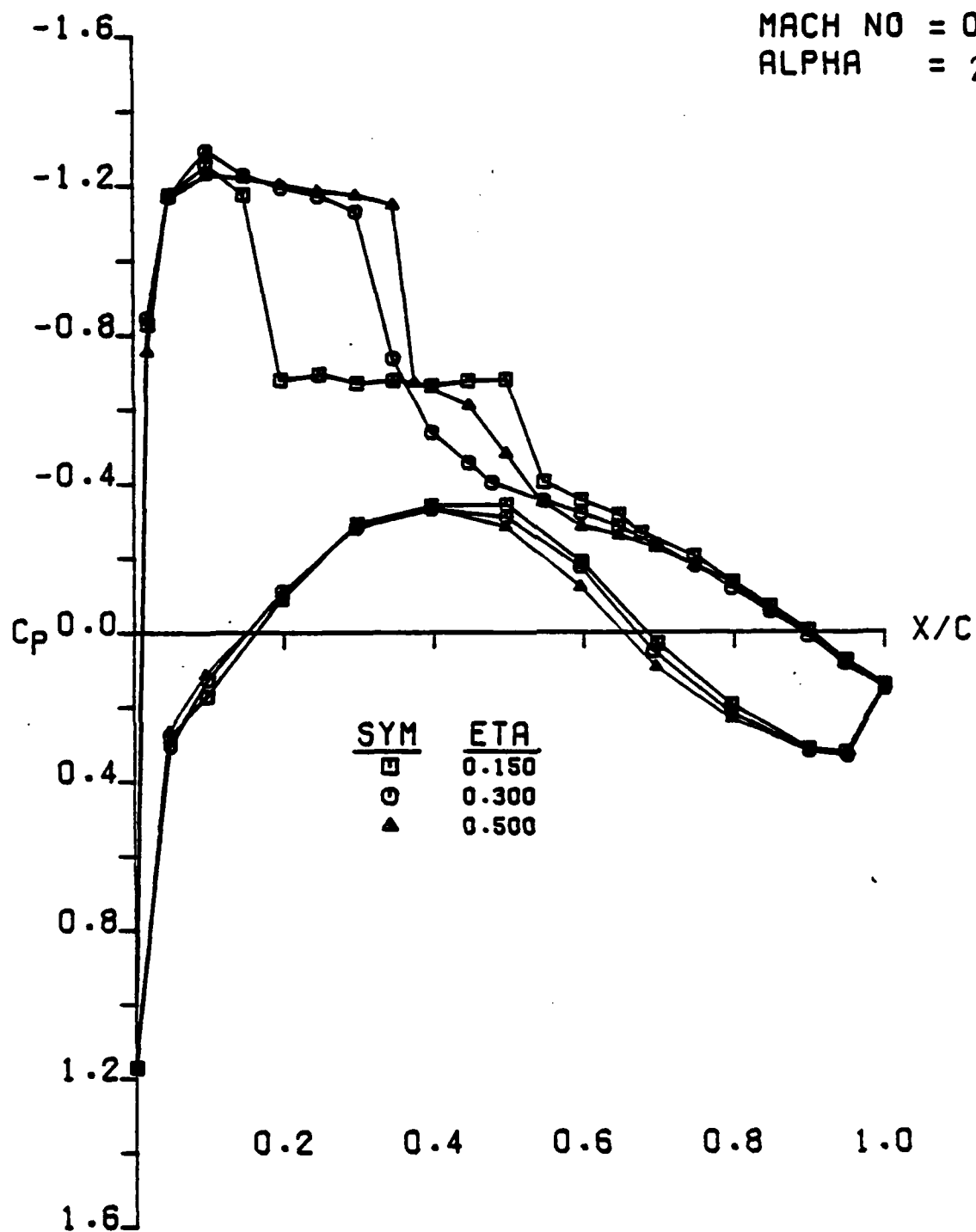
MACH NO = 0.622
ALPHA = 2.976



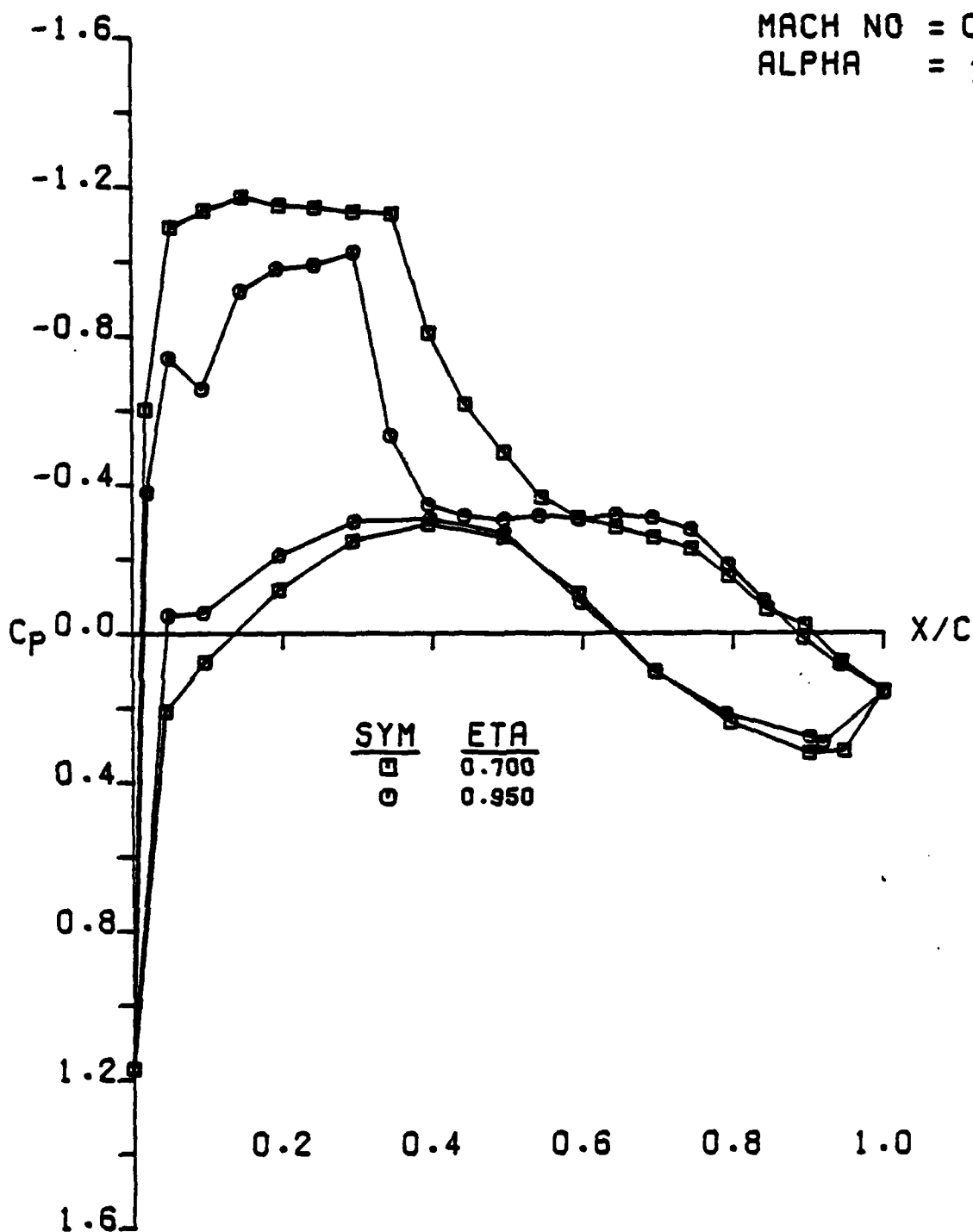
LOCKHEED CFWT SEMI-SPAN TEST, RUN 18
TITLE
AFOSR SEMISPAN MODEL A



LOCKHEED CFWT SEMI-SPAN TEST, RUN 92
 TITLE
 AFOSR SEMISPAN MODEL A

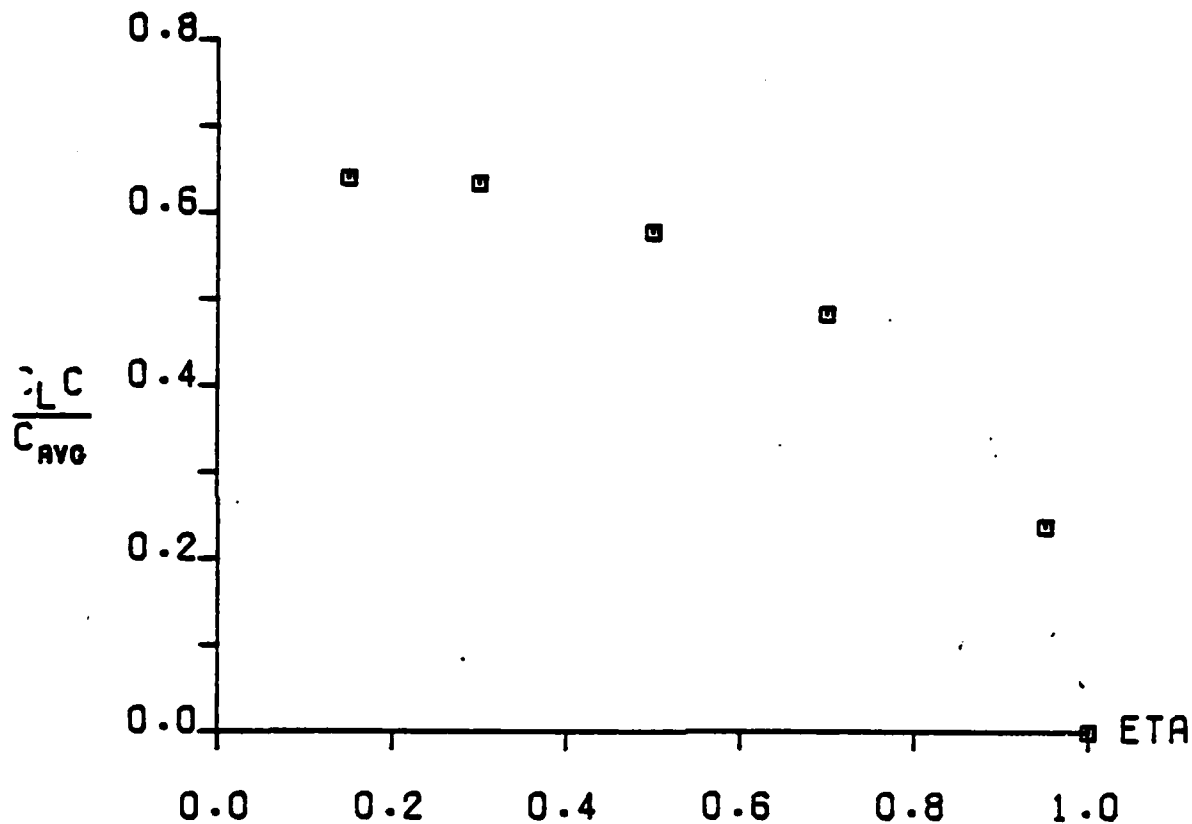


LOCKHEED CFWT SEMI-SPAN TEST, RUN 92
TITLE
AFOSR SEMISPAN MODEL A

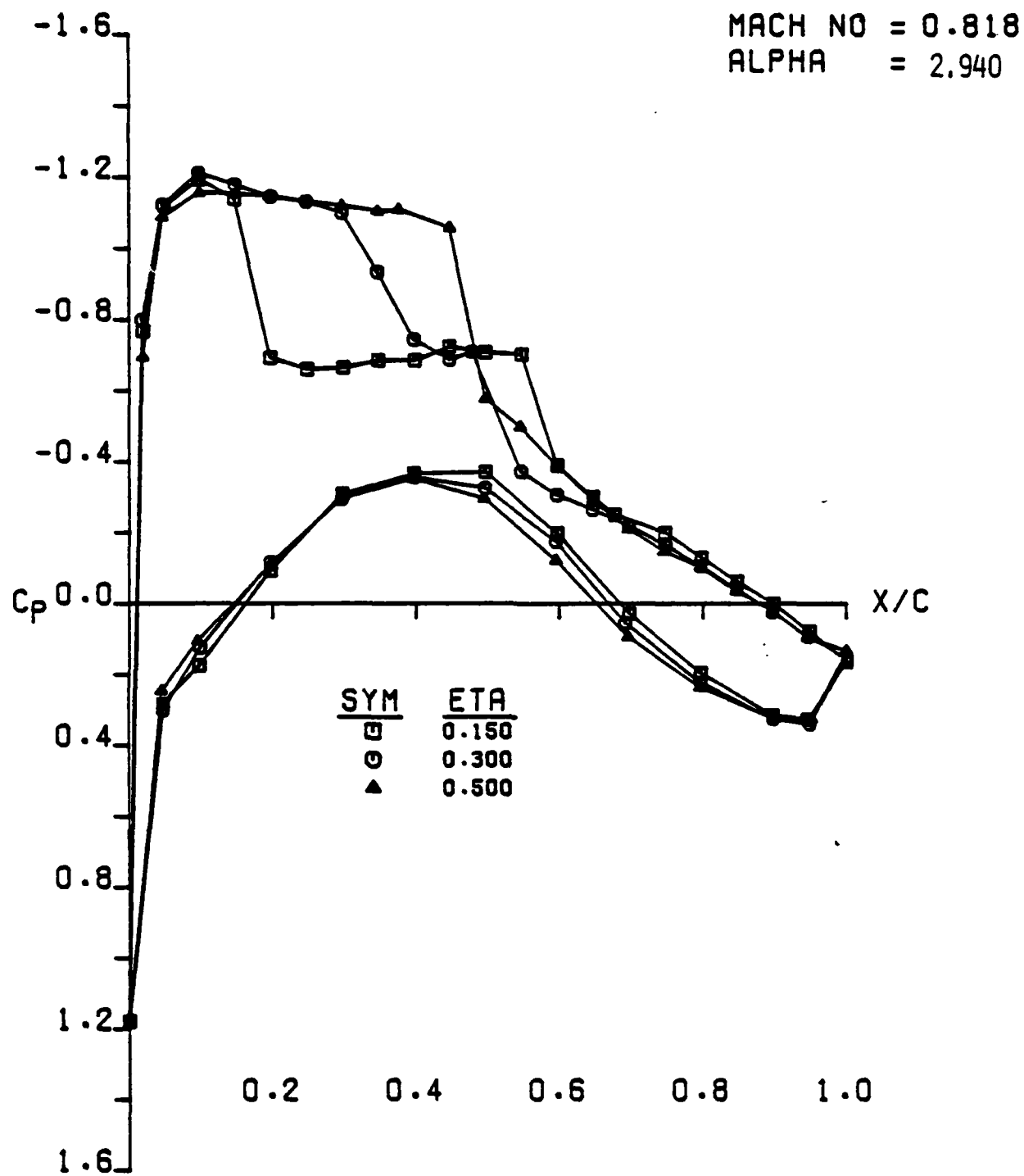


LOCKHEED CFWT SEMI-SPAN TEST, RUN 92
TITLE
AFOSR SEMISPAN MODEL A

MACH NO = 0.801
ALPHA = 2.941°

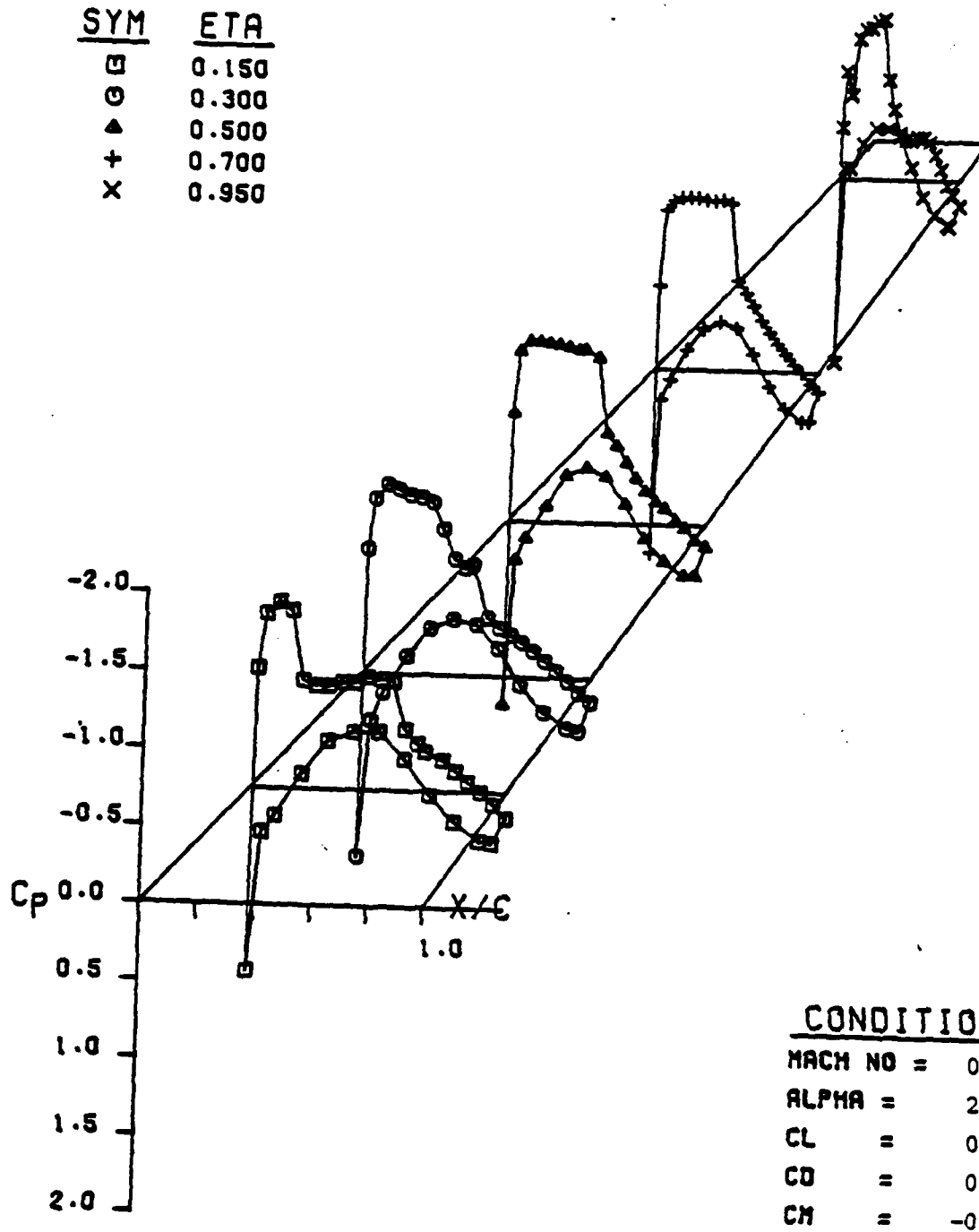


LOCKHEED CFWT SEMI-SPAN TEST, RUN 92
TITLE
AFOSR SEMISPAN MODEL A



LOCKHEED CFWT SEMI-SPAN TEST, RUN 35
TITLE
AFOSR SEMISPAN MODEL A

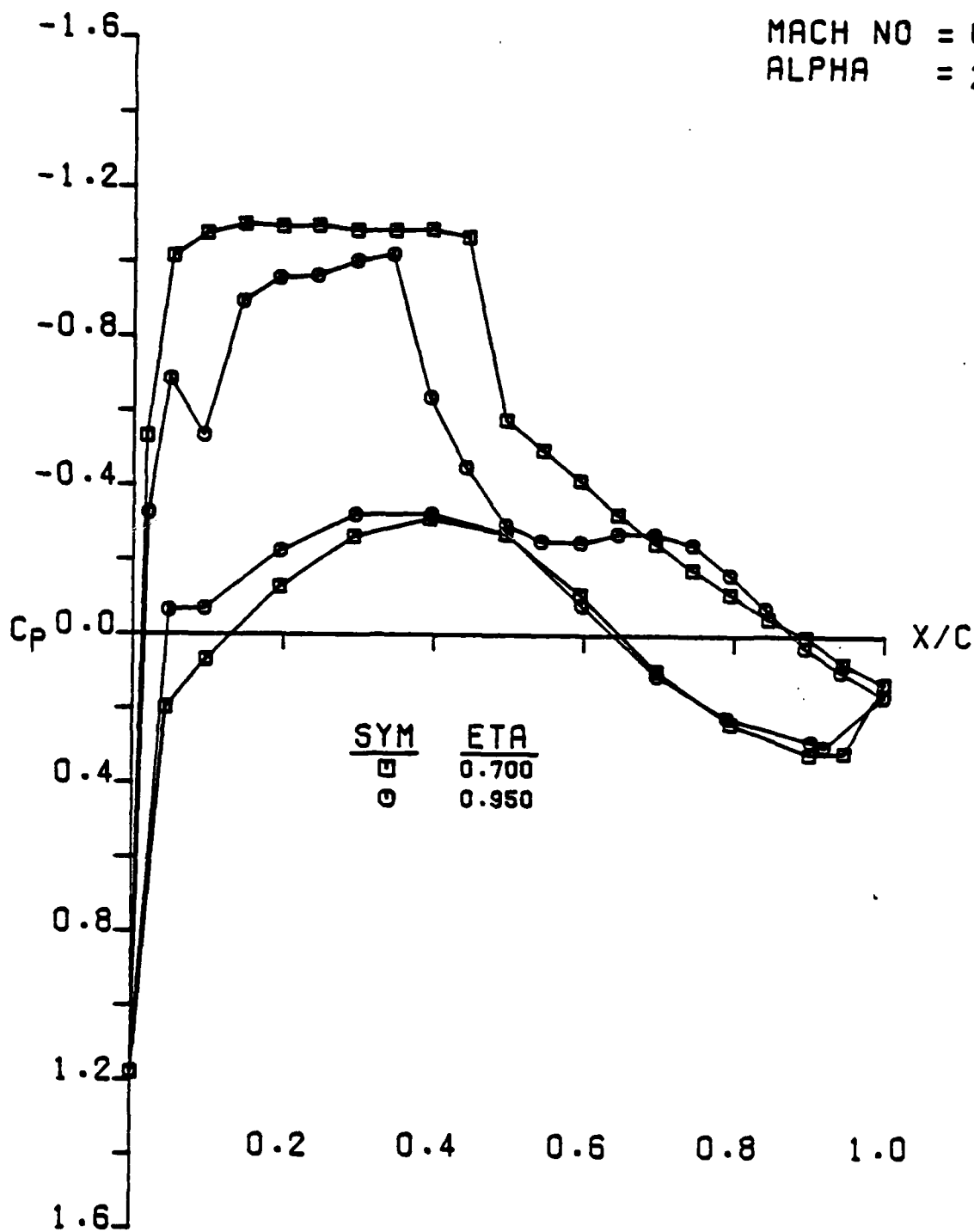
<u>SYM</u>	<u>ETA</u>
□	0.150
○	0.300
▲	0.500
+	0.700
x	0.950



CONDITIONS

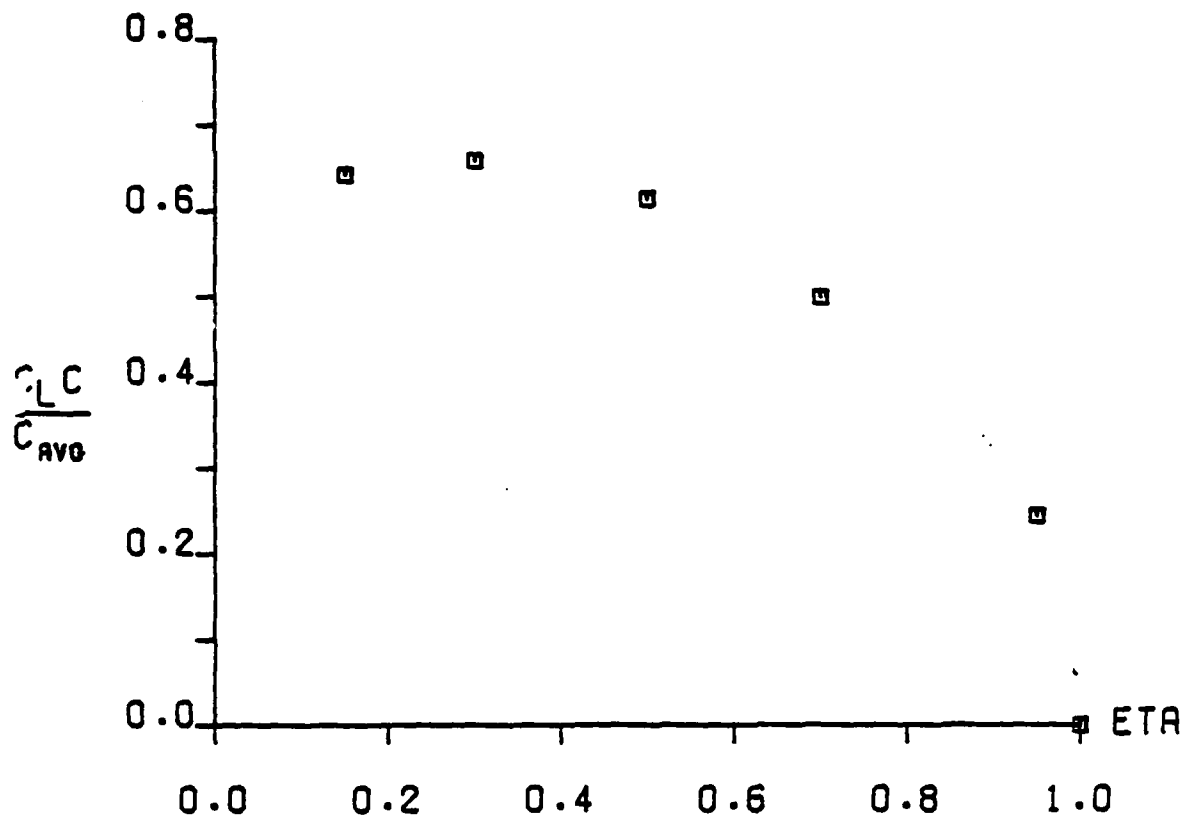
MACH NO	=	0.818
ALPHA	=	2.940
CL	=	0.530
CD	=	0.0395
CM	=	-0.056

LOCKHEED CFWT SEMI-SPAN TEST. RUN 35
 TITLE
 AFOSR SEMISPAN MODEL A



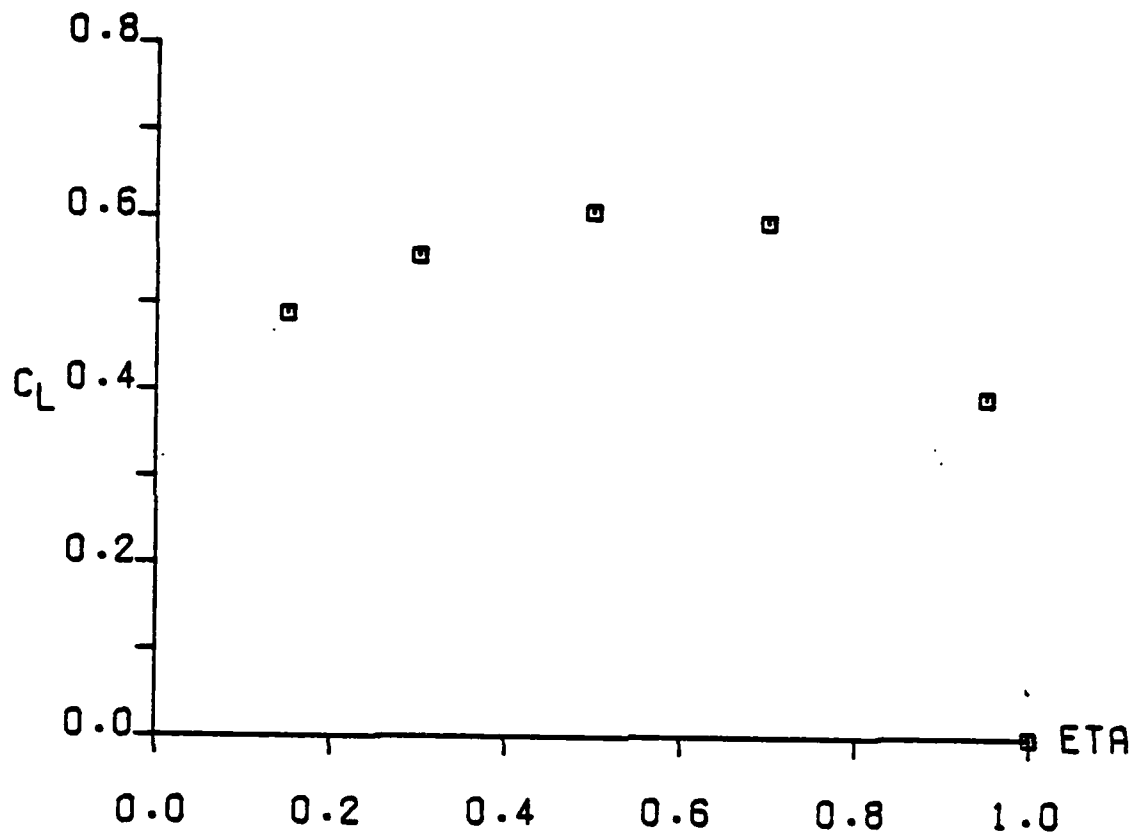
LOCKHEED CFWT SEMI-SPAN TEST, RUN 35
TITLE
AFOSR SEMISPAN MODEL A

MACH NO = 0.818
ALPHA = 2.940

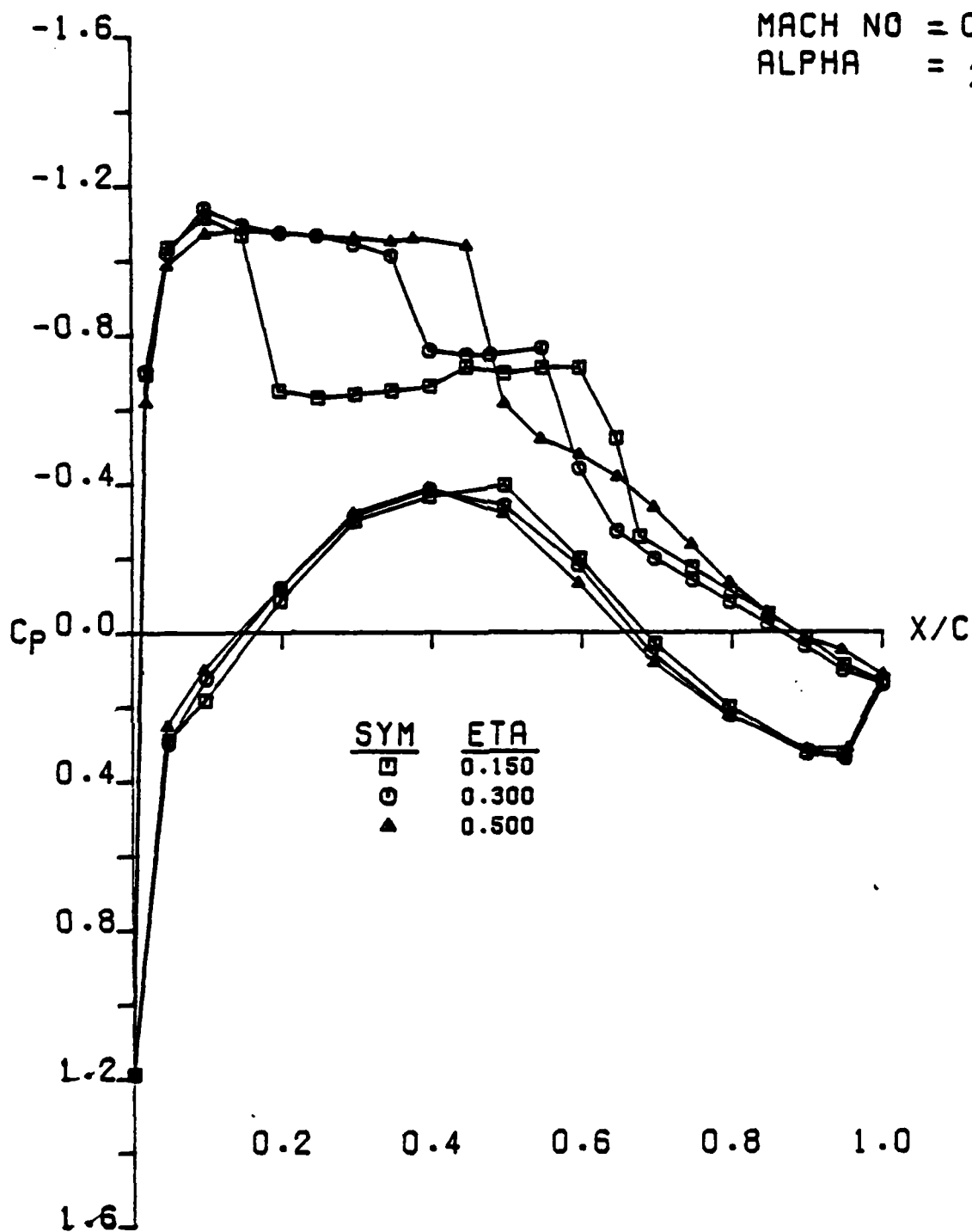


LOCKHEED CFWT SEMI-SPAN TEST, RUN 35
TITLE
AFOSR SEMISPAN MODEL A

MACH NO = 0.818
ALPHA = 2.940

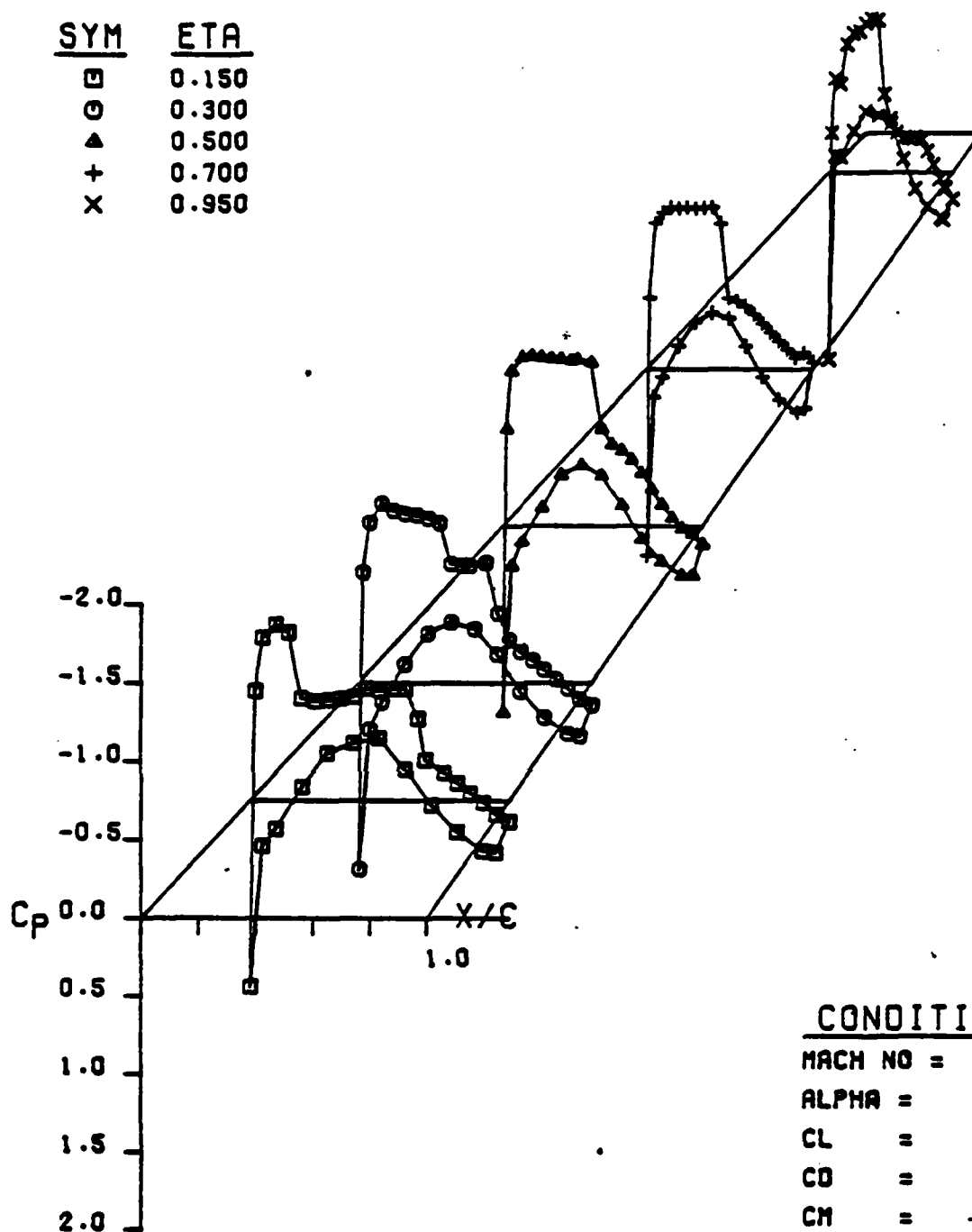


LOCKHEED CFWT SEMI-SPAN TEST, RUN 35
TITLE
AFOSR SEMISPAN MODEL A



LOCKHEED CFWT SEMI-SPAN TEST, RUN 98
TITLE
AFOSR SEMISPAN MODEL A

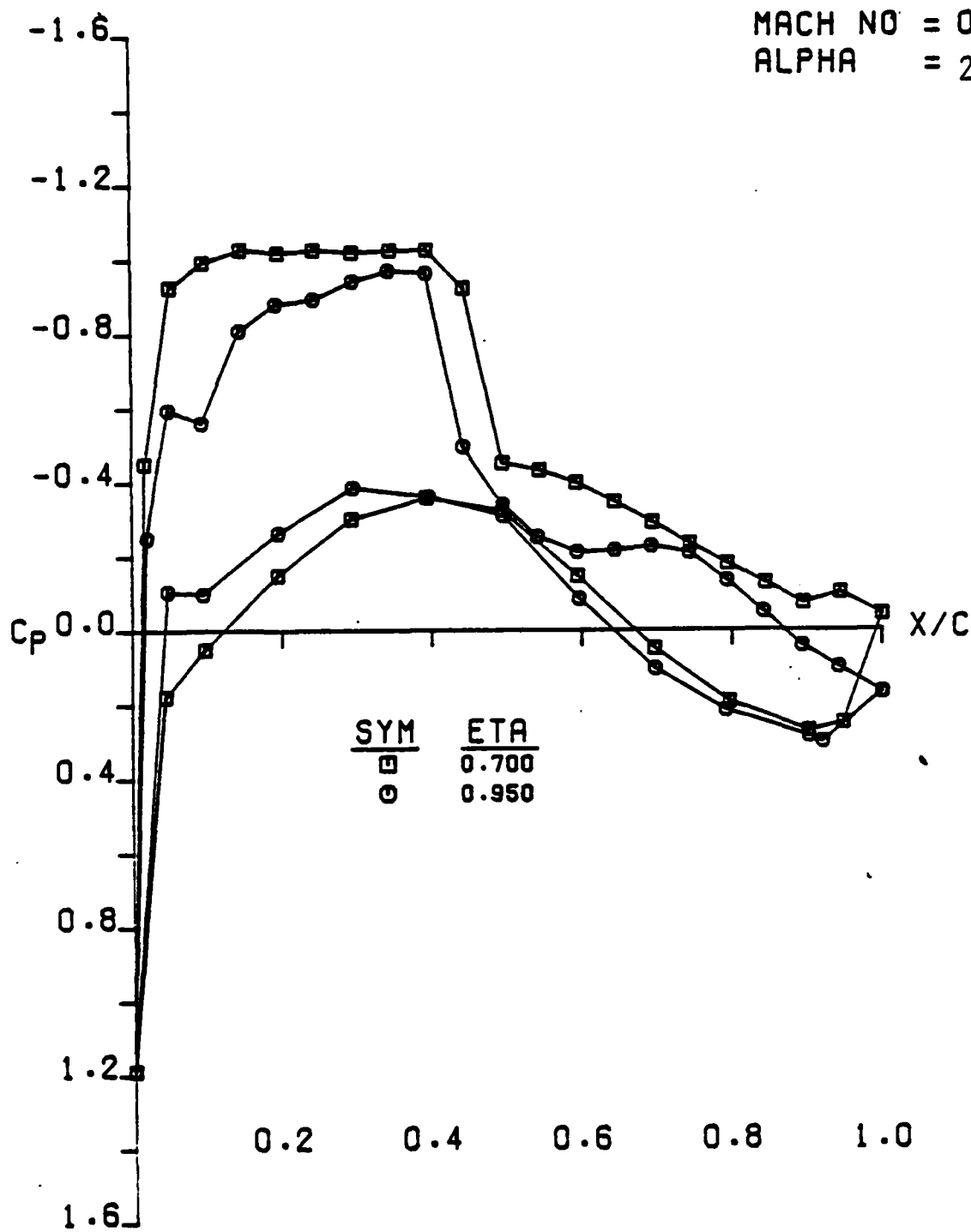
<u>SYM</u>	<u>ETA</u>
□	0.150
○	0.300
▲	0.500
+	0.700
x	0.950



CONDITIONS

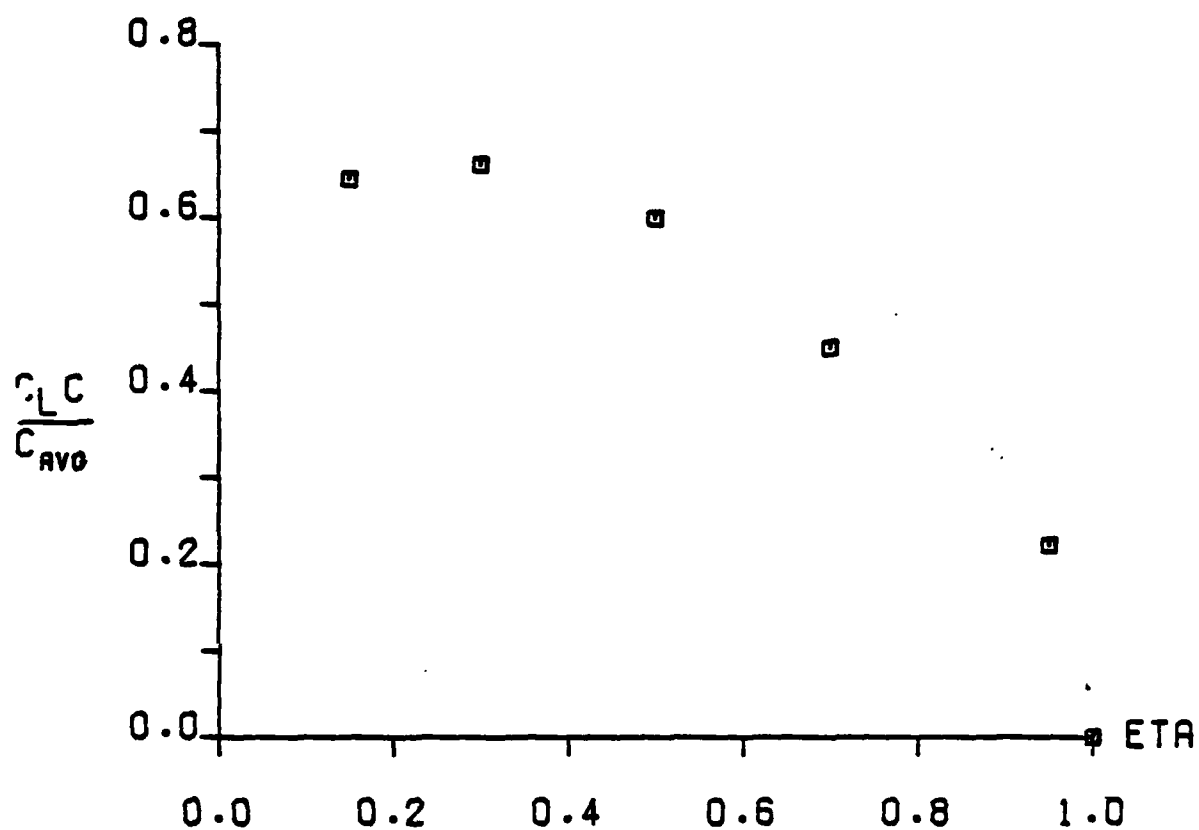
MACH NO	=	0.839
ALPHA	=	2.931
CL	=	0.512
CD	=	0.0451
CM	=	-0.051

LOCKHEED CFWT SEMI-SPAN TEST, RUN 98
 TITLE
 AFOSR SEMISPAN MODEL A



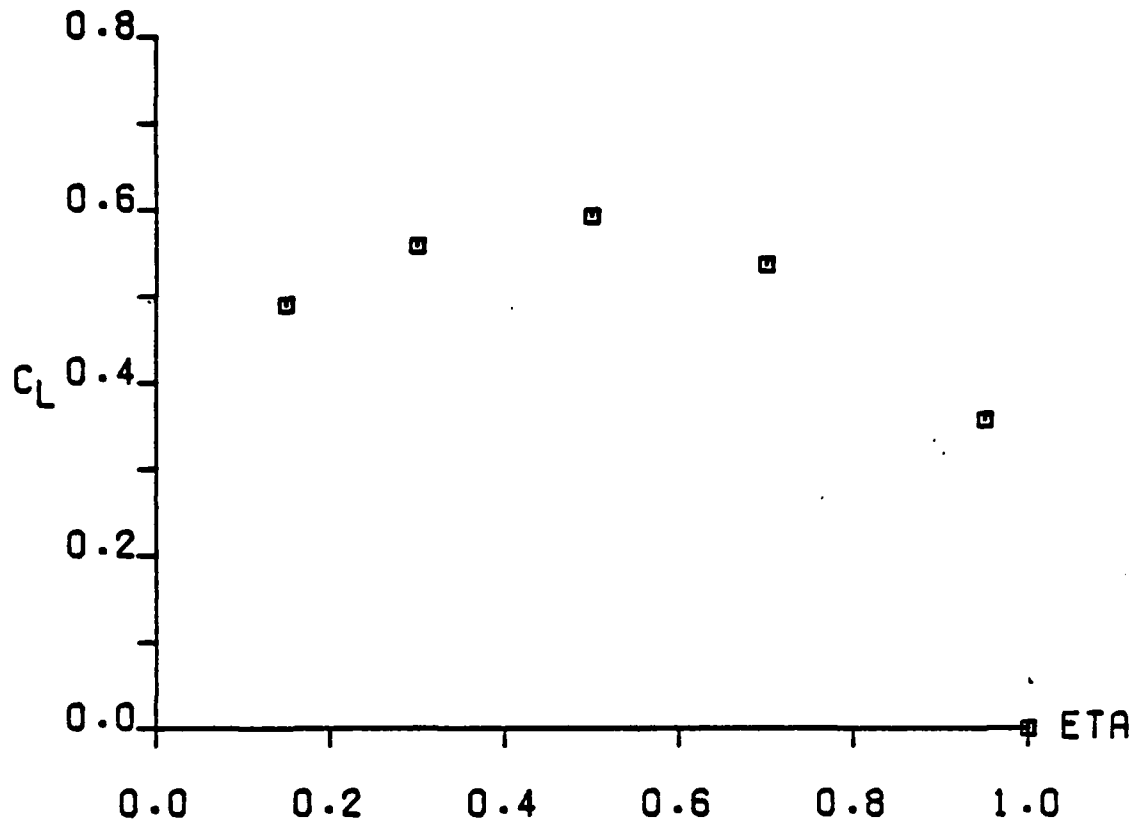
LOCKHEED CFWT SEMI-SPAN TEST, RUN 98
TITLE
AFOSR SEMISPAN MODEL A

MACH NO = 0.839
ALPHA = 2.931

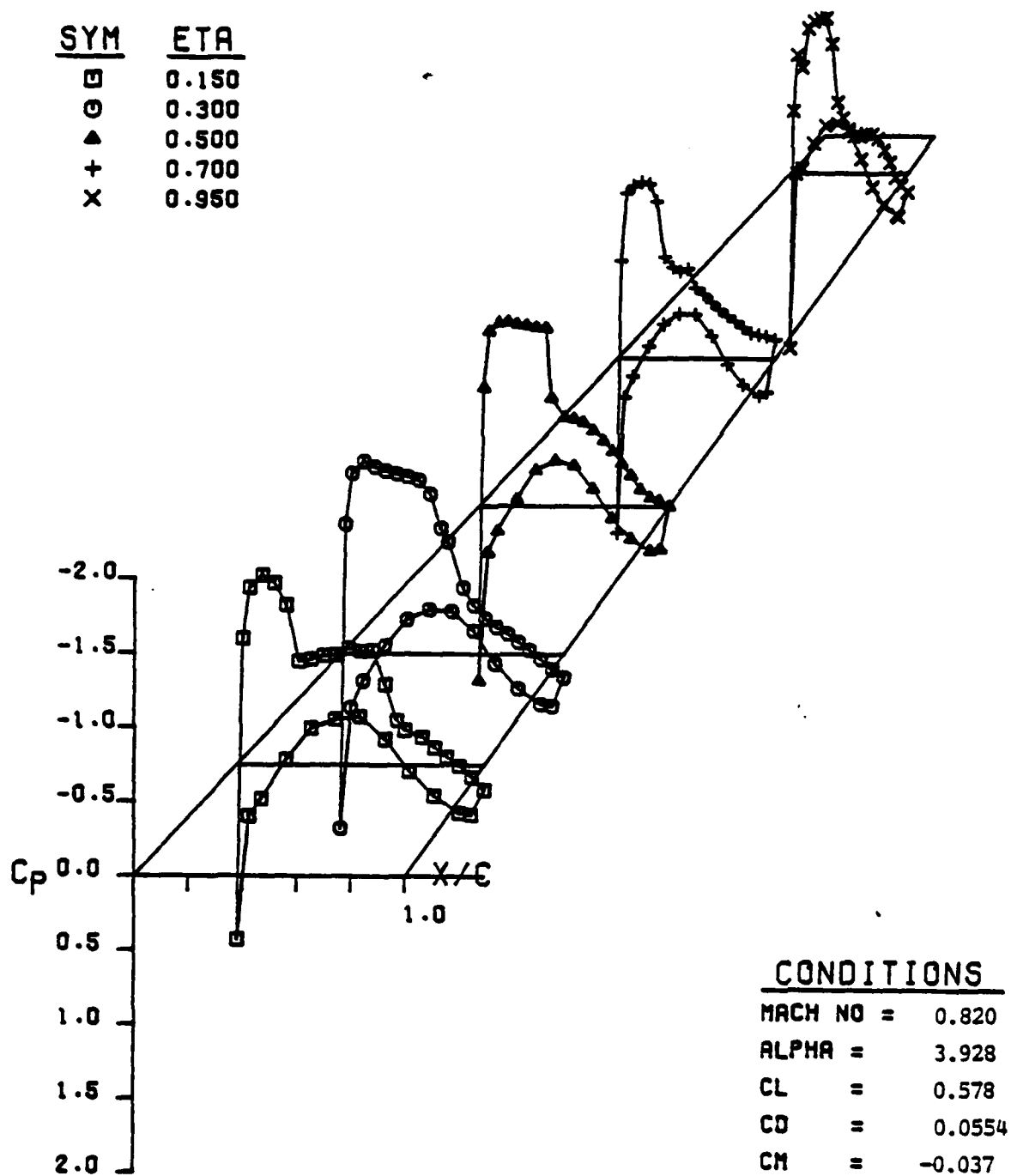


LOCKHEED CFWT SEMI-SPAN TEST, RUN 98
TITLE
AFOSR SEMISPAN MODEL A

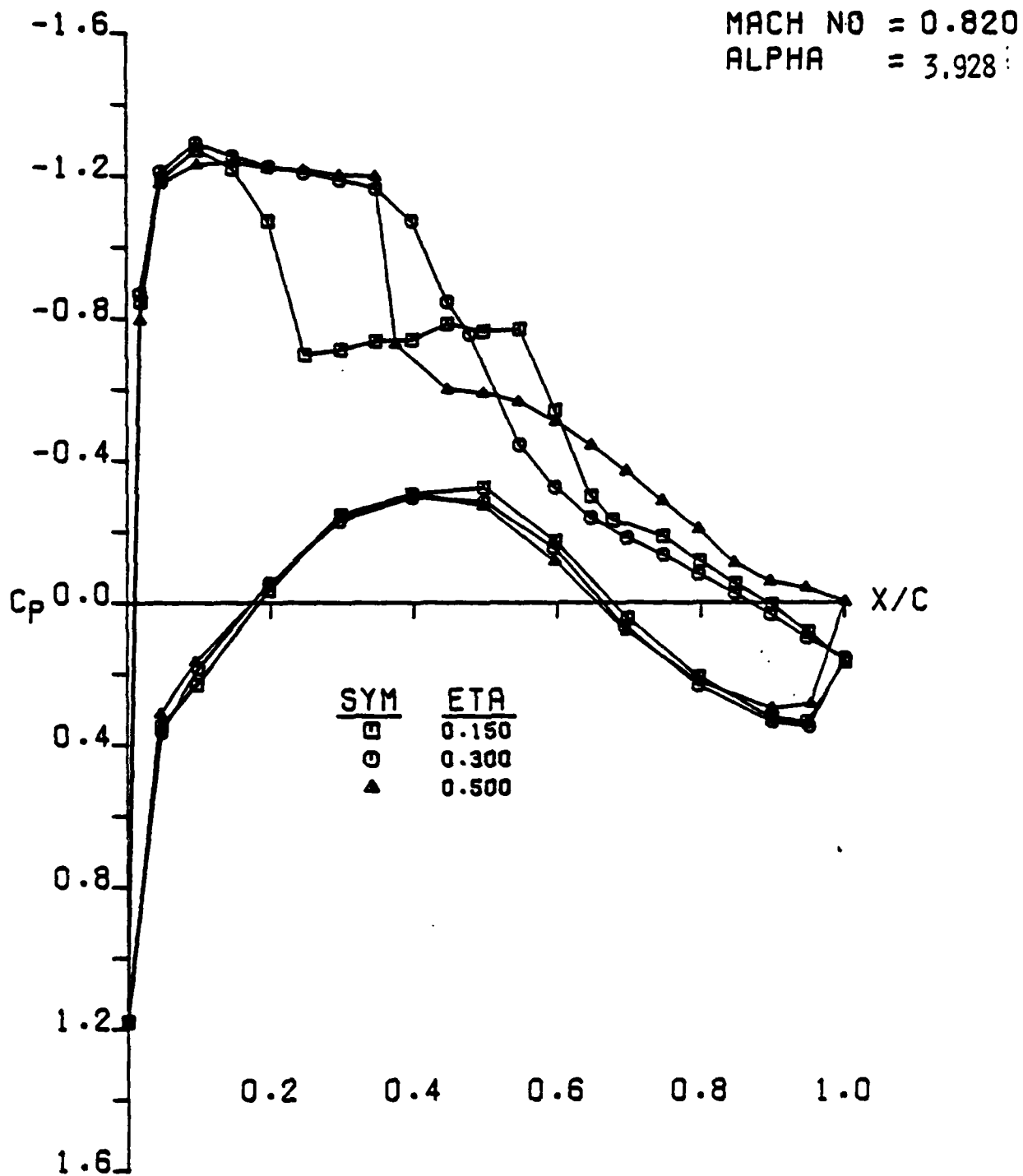
MACH NO = 0.839
ALPHA = 2.931



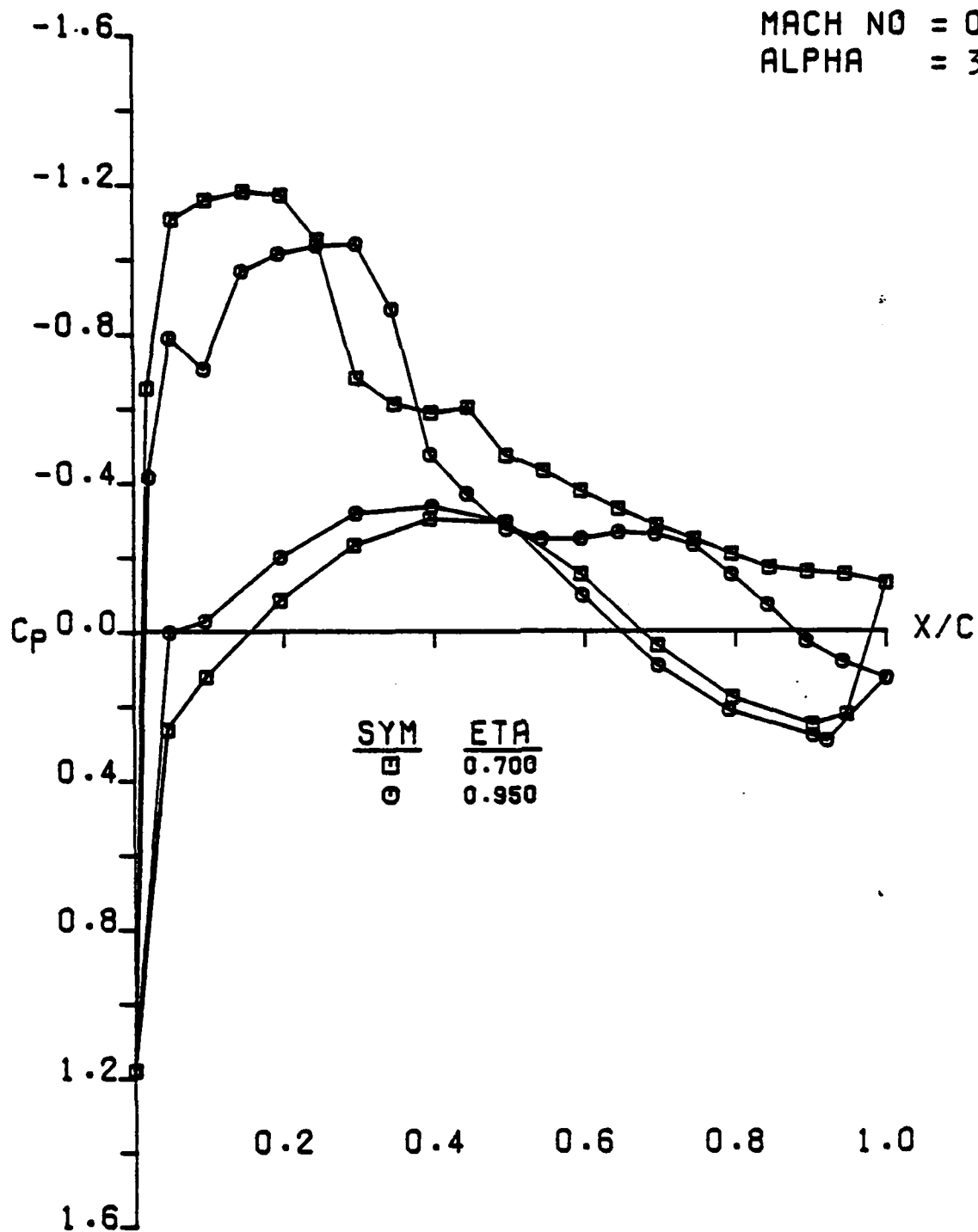
LOCKHEED CFWT SEMI-SPAN TEST, RUN 98
TITLE
AFOSR SEMISPAN MODEL A



LOCKHEED CFWT SEMI-SPAN TEST, RUN 36
 TITLE
 AFOSR SEMISPAN MODEL A

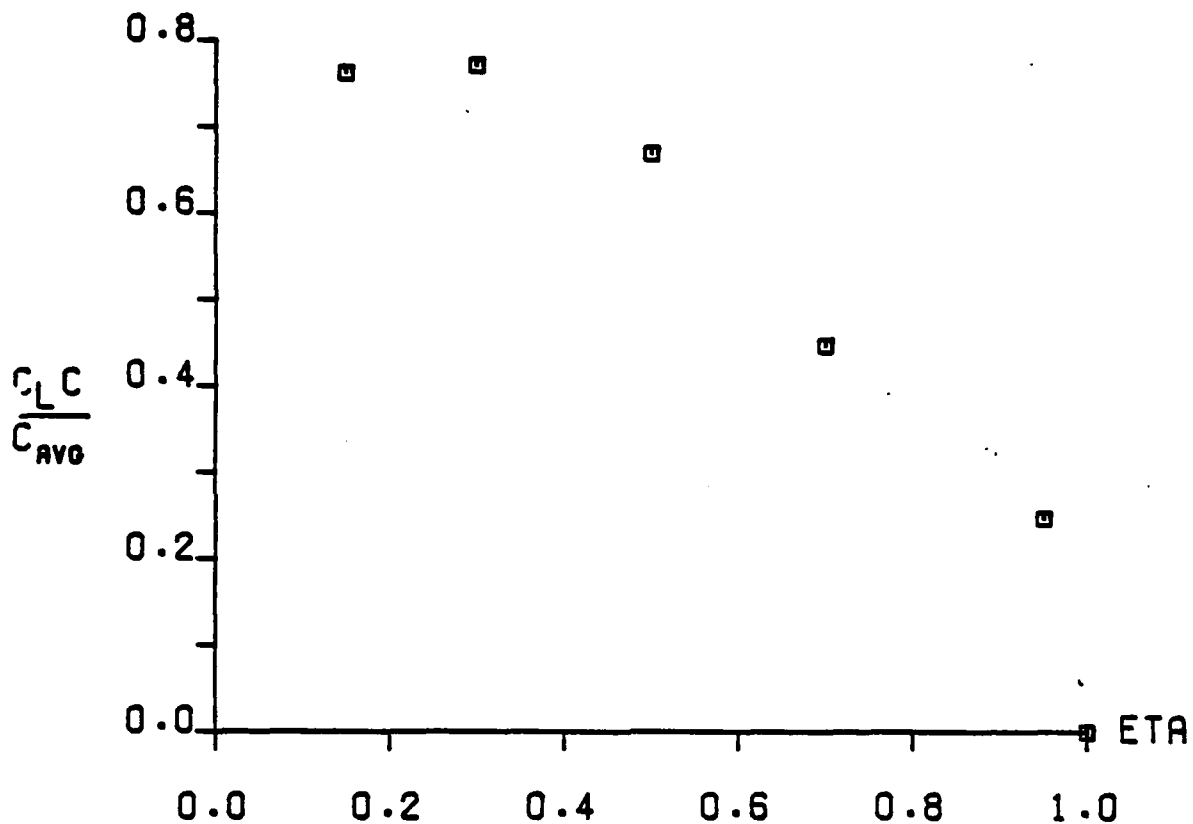


LOCKHEED CFWT SEMI-SPAN TEST, RUN 36
TITLE
AFOSR SEMISPAN MODEL A



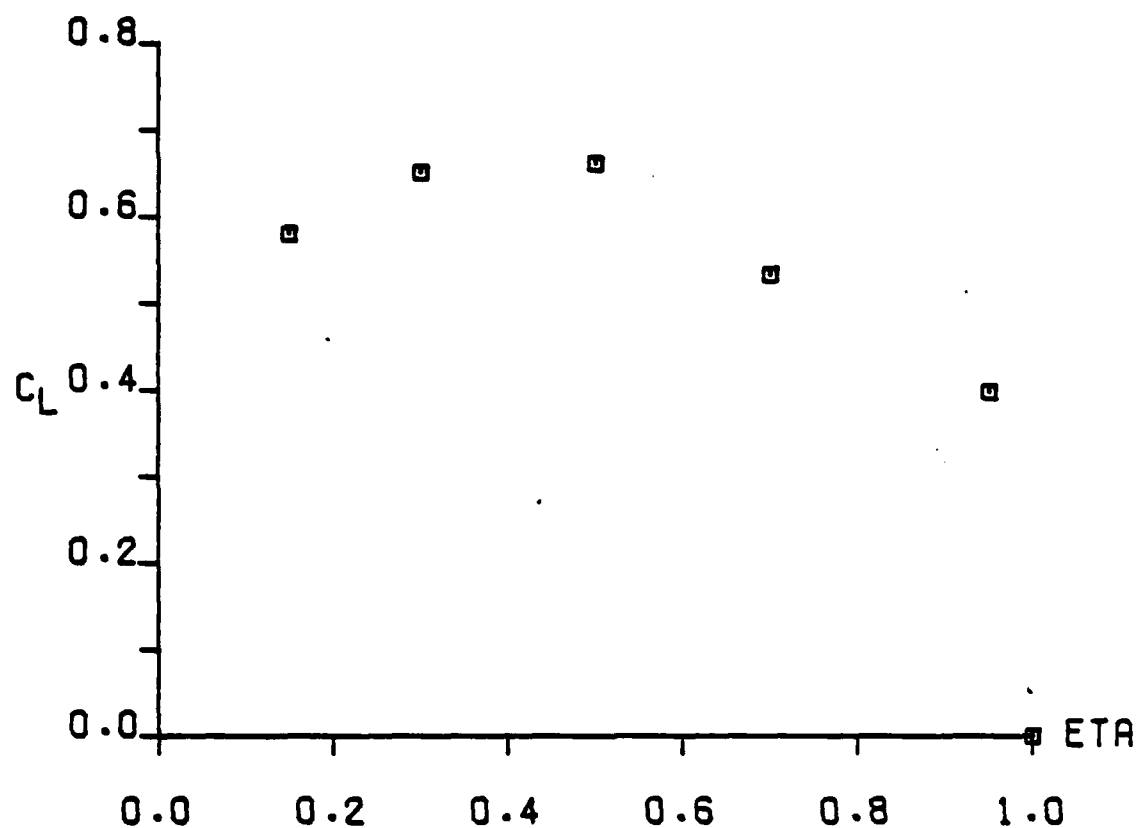
LOCKHEED CFWT SEMI-SPAN TEST, RUN 36
TITLE
AFOSR SEMISPAN MODEL A

MACH NO = 0.820
ALPHA = 3.928

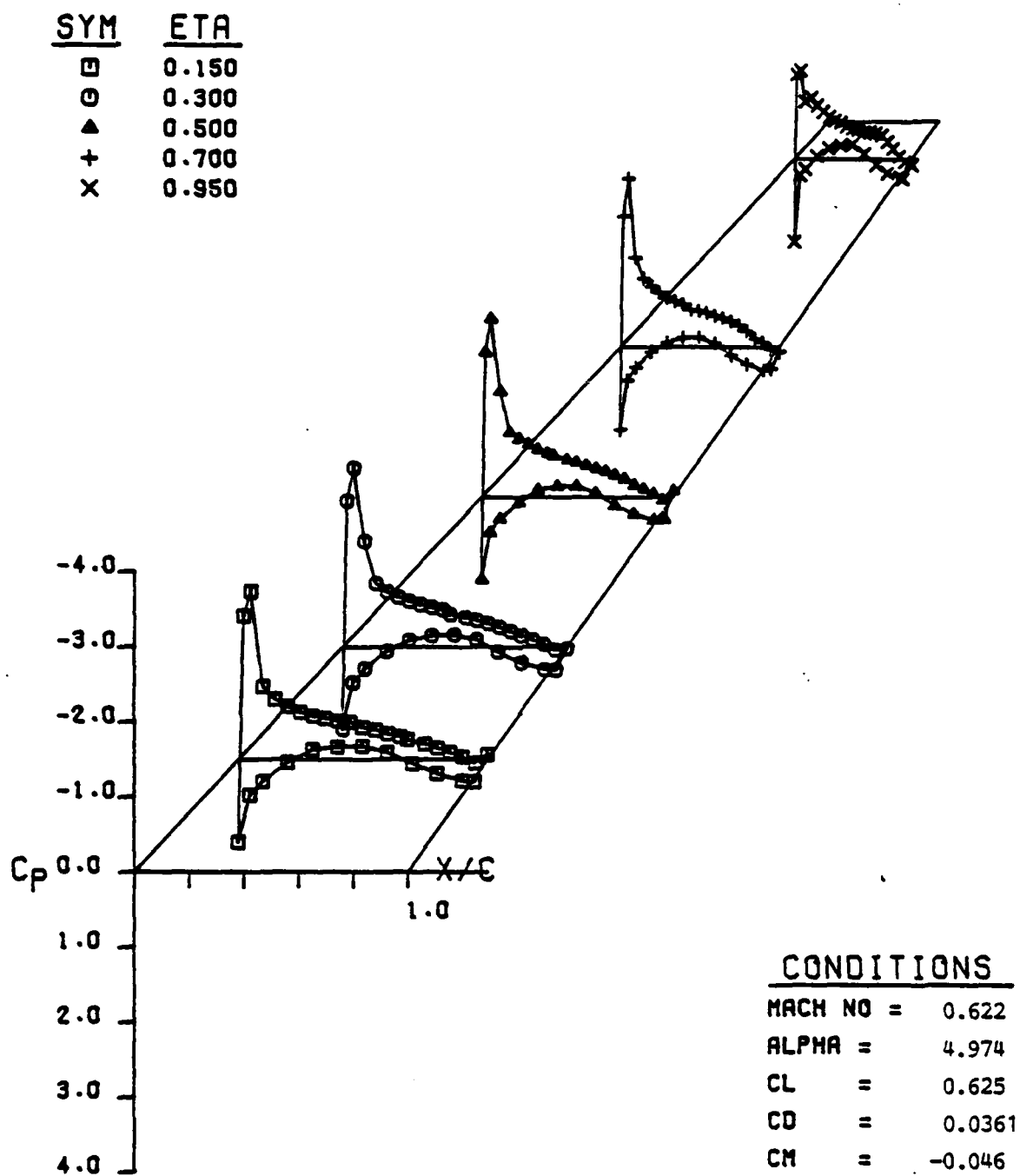


LOCKHEED CFWT SEMI-SPAN TEST, RUN 36
TITLE
AFOSR SEMISPAN MODEL A

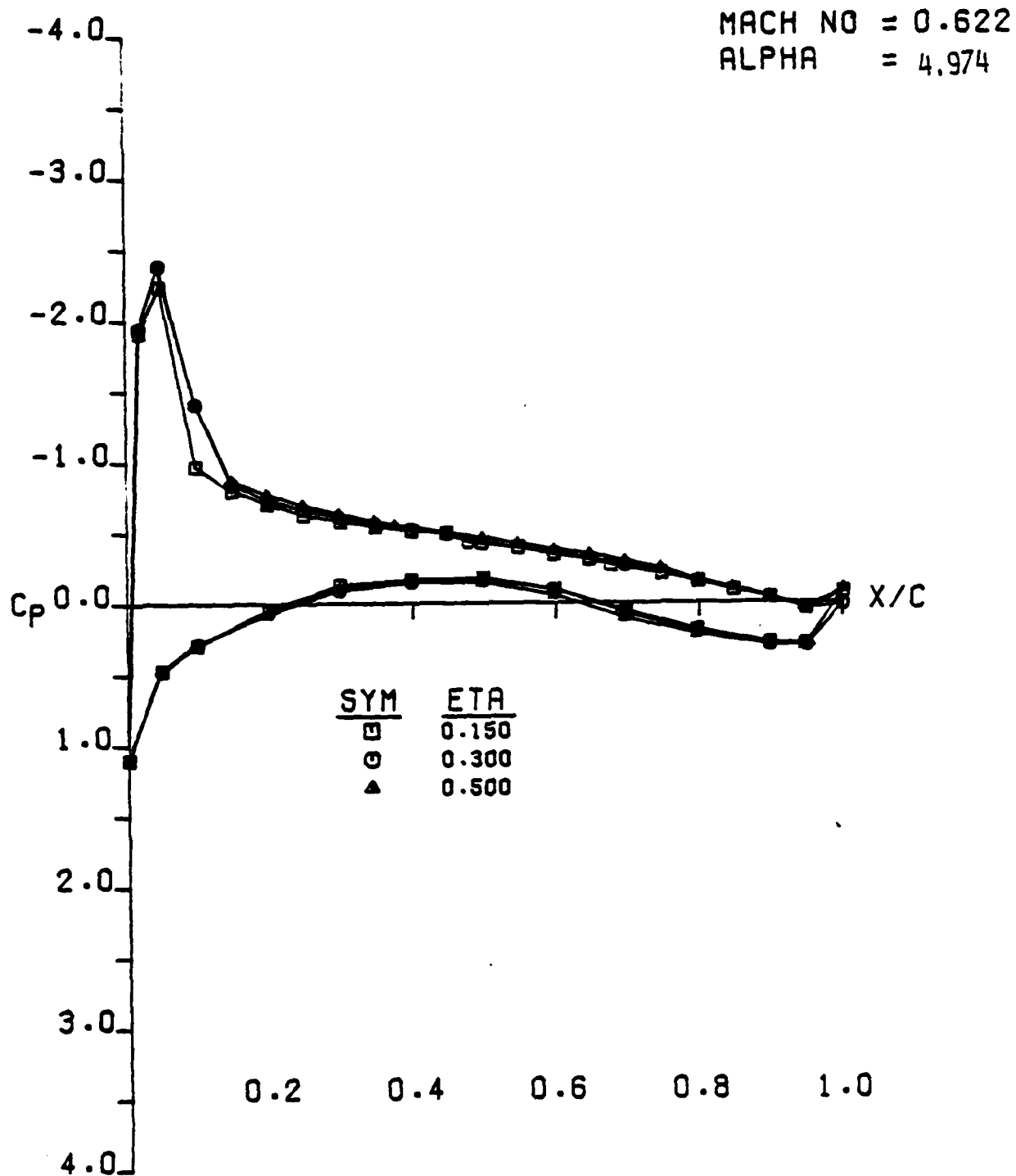
MACH NO = 0.820
ALPHA = -3.928



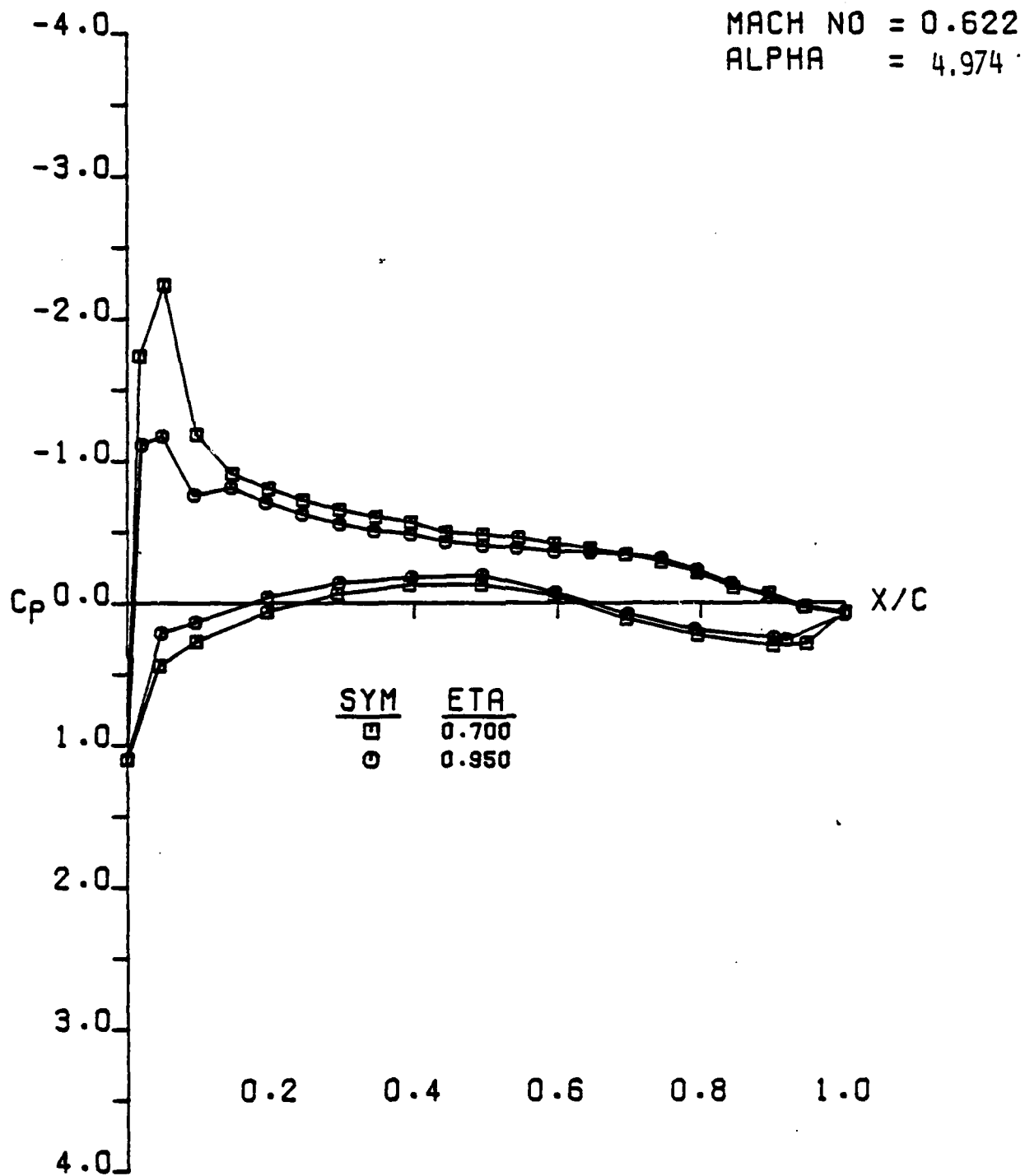
LOCKHEED CFWT SEMI-SPAN TEST, RUN 36
TITLE
AFOSR SEMISPAN MODEL A



LOCKHEED CFWT SEMI-SPAN TEST, RUN 20
 TITLE
 AFOSR SEMISPAN MODEL A

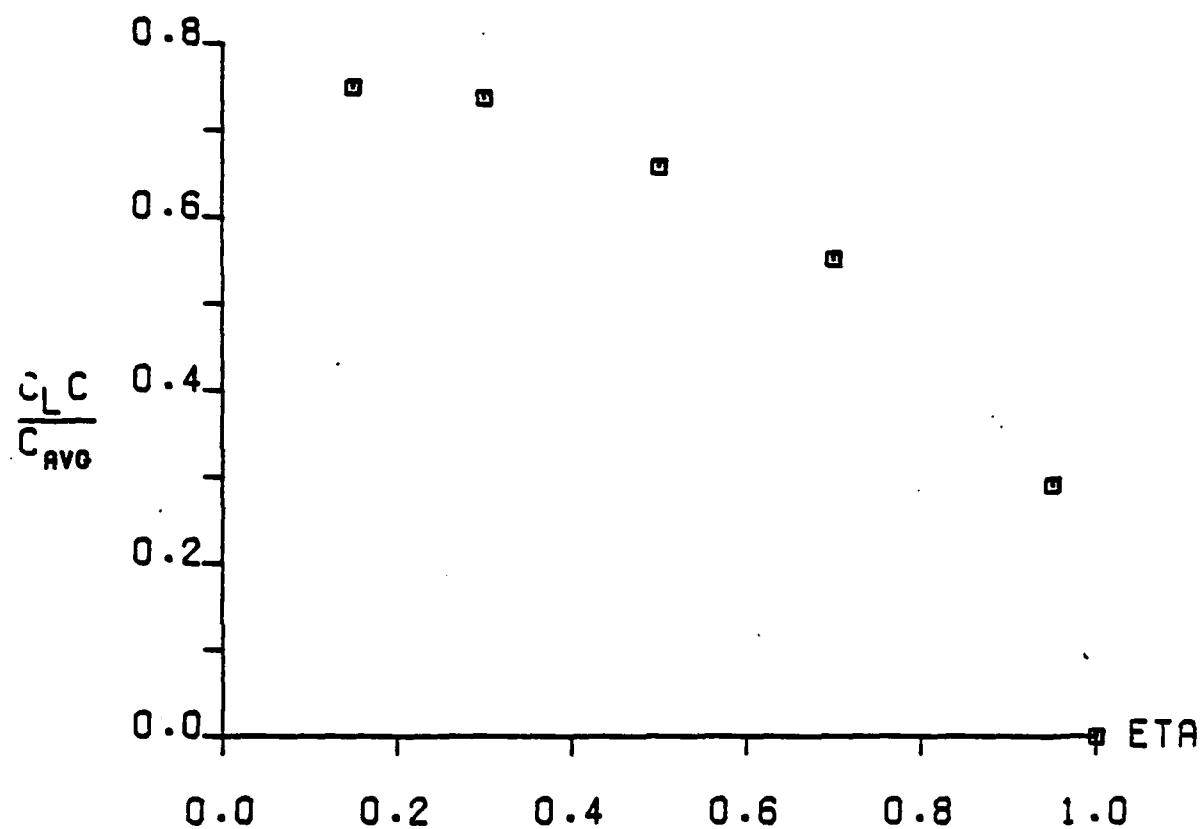


LOCKHEED CFWT. SEMI-SPAN TEST, RUN 20
TITLE
AFOSR SEMISPAN MODEL A



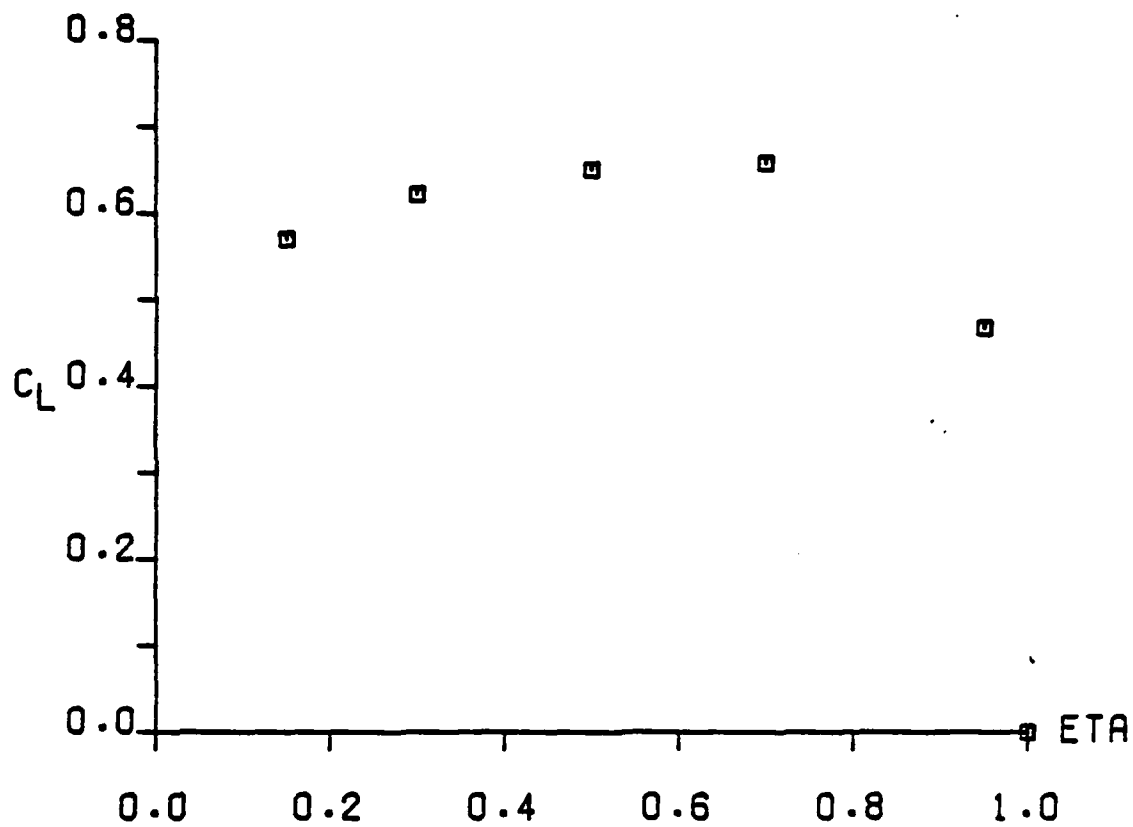
LOCKHEED CFWT SEMI-SPAN TEST, RUN 20
TITLE
AFOSR SEMISPAN MODEL A

MACH NO = 0.622
ALPHA = 4.974



LOCKHEED CFWT SEMI-SPAN TEST, RUN 20
TITLE
AFOSR SEMISPAN MODEL A

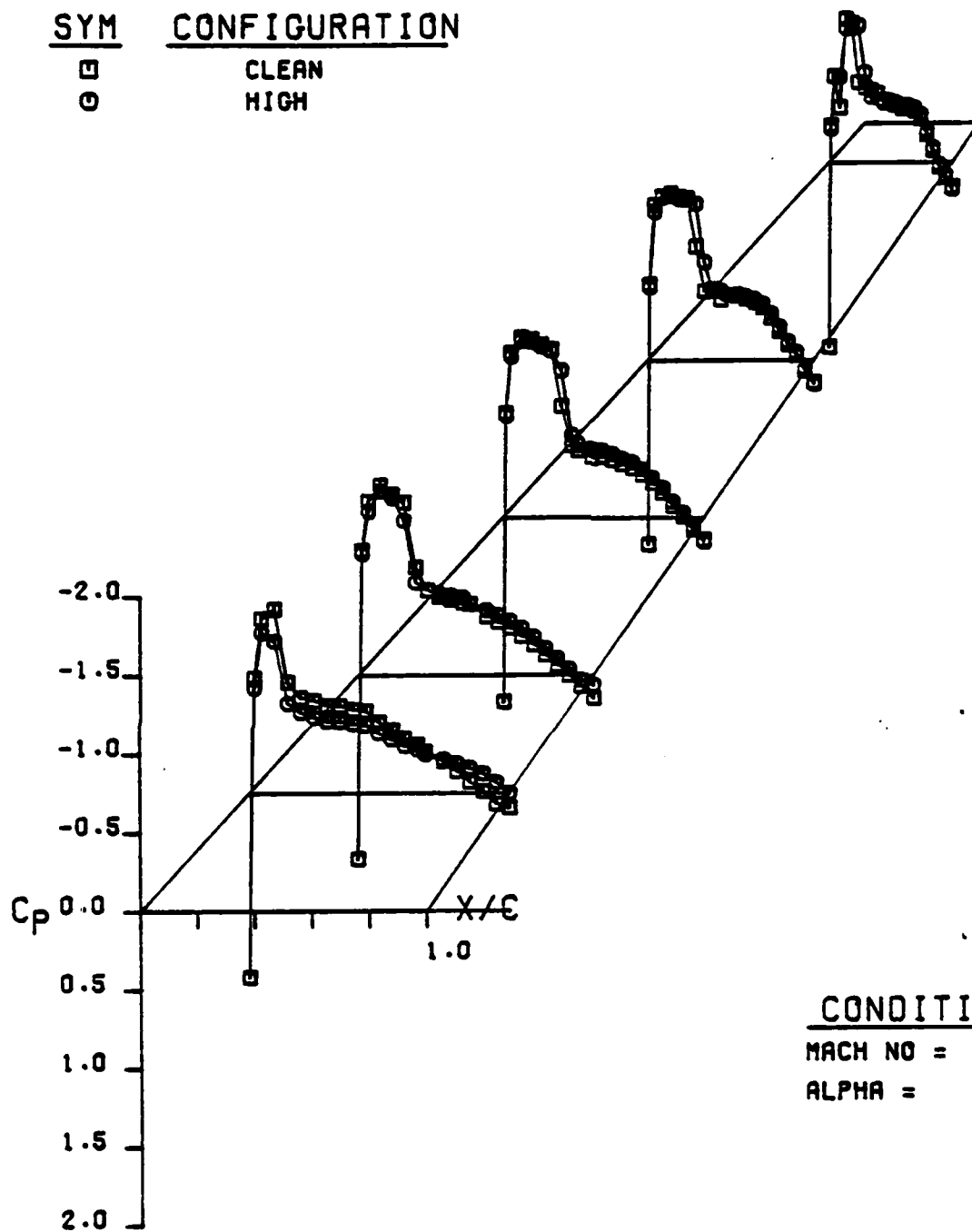
MACH NO = 0.622
ALPHA = 4.974



LOCKHEED CFWT SEMI-SPAN TEST, RUN 20
TITLE
AFOSR SEMISPAN MODEL A

SYM CONFIGURATION

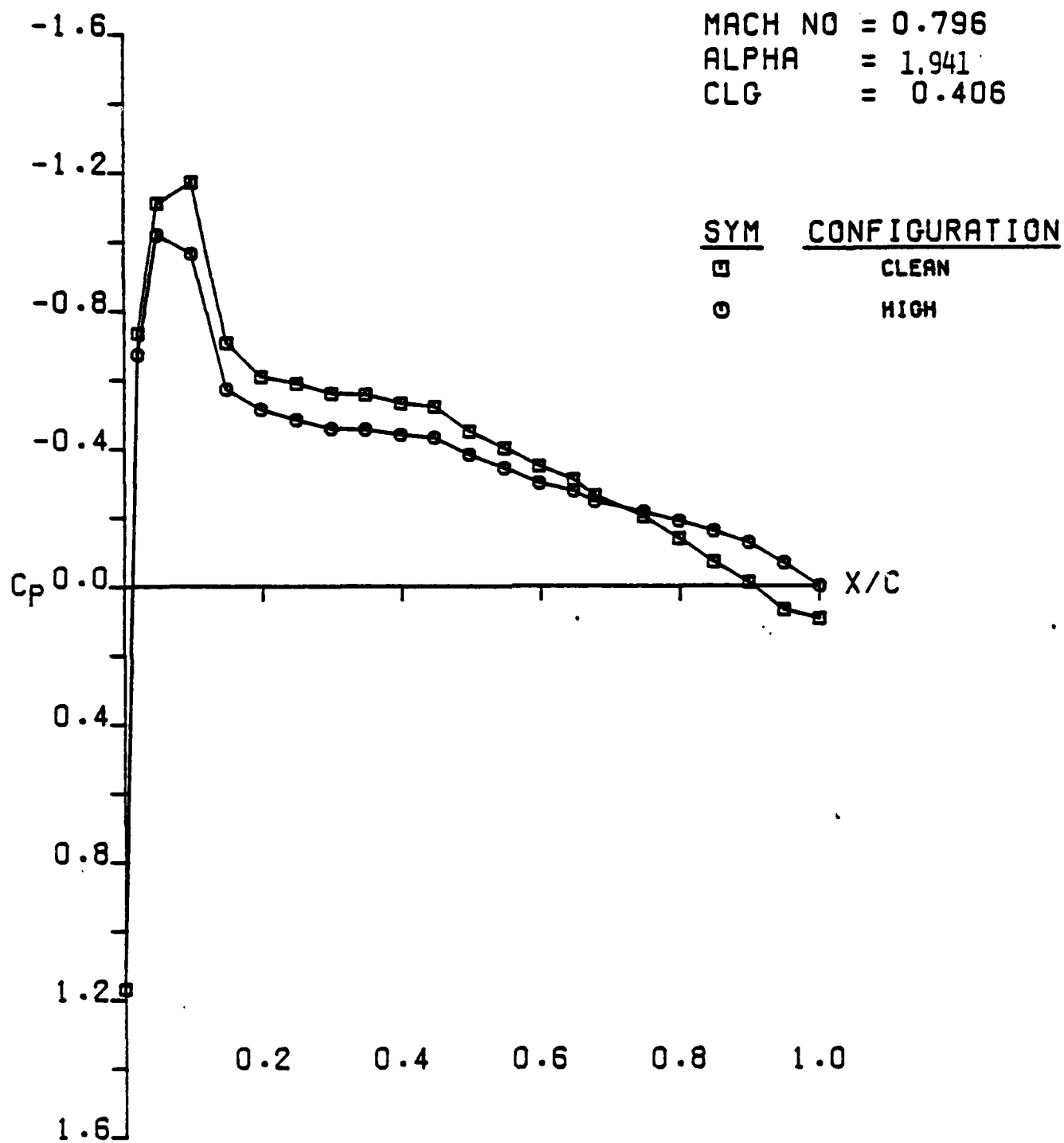
□ CLEAN
○ HIGH



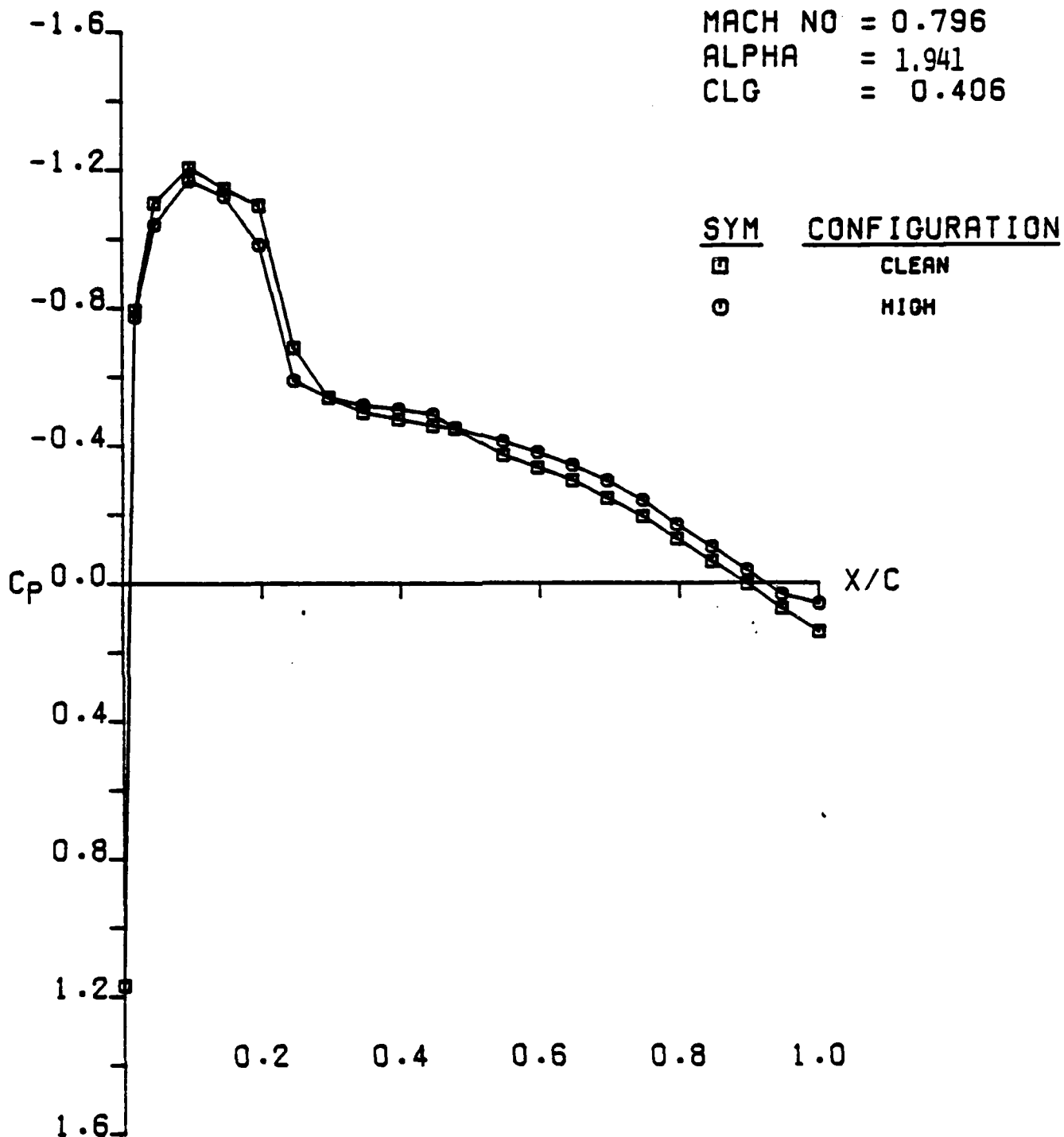
CONDITIONS

MACH NO = 0.796
ALPHA = 1.941

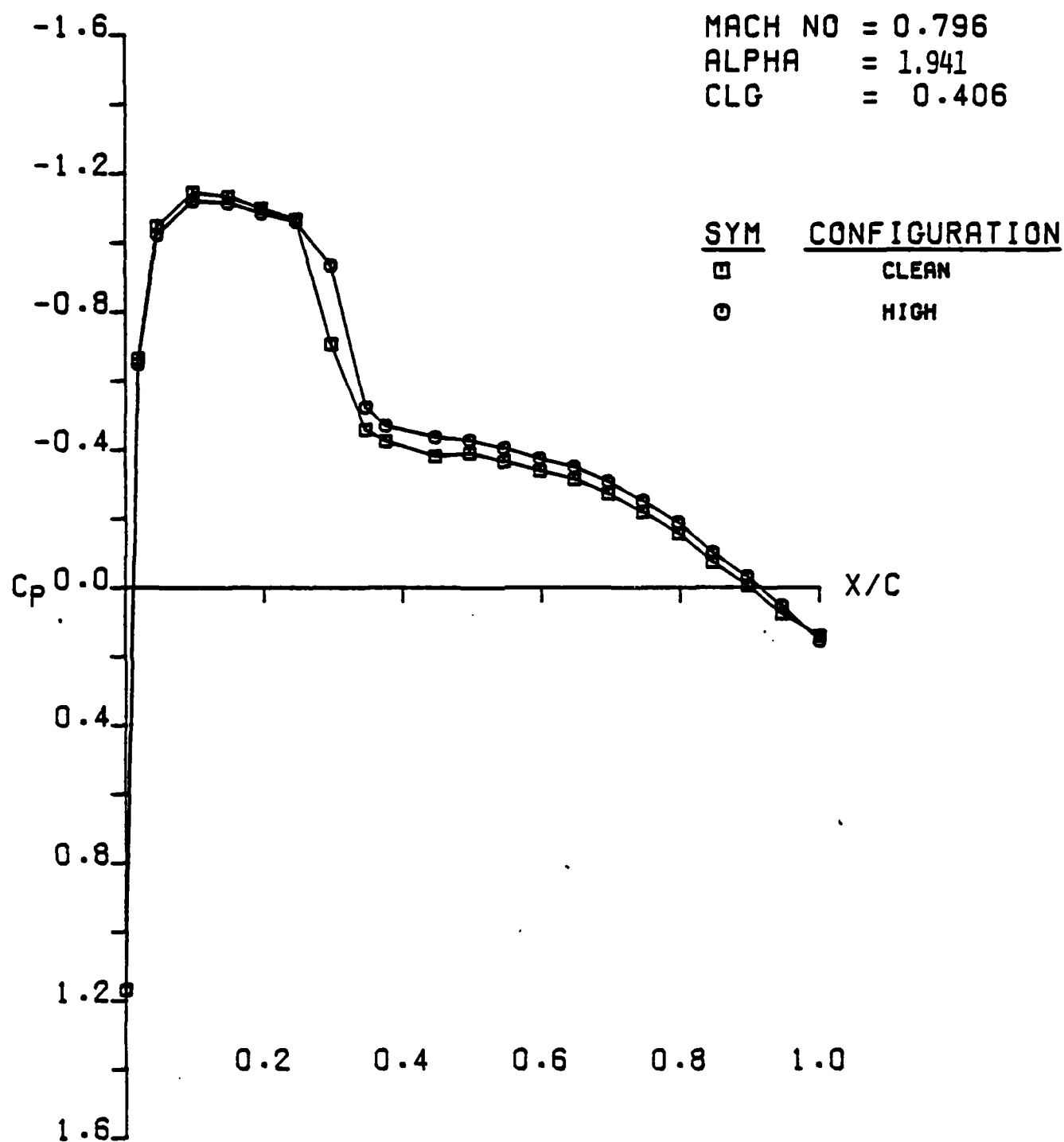
LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
CLN VS HIGH (UPR SURF)
AFOSR SEMISPAN MODEL A



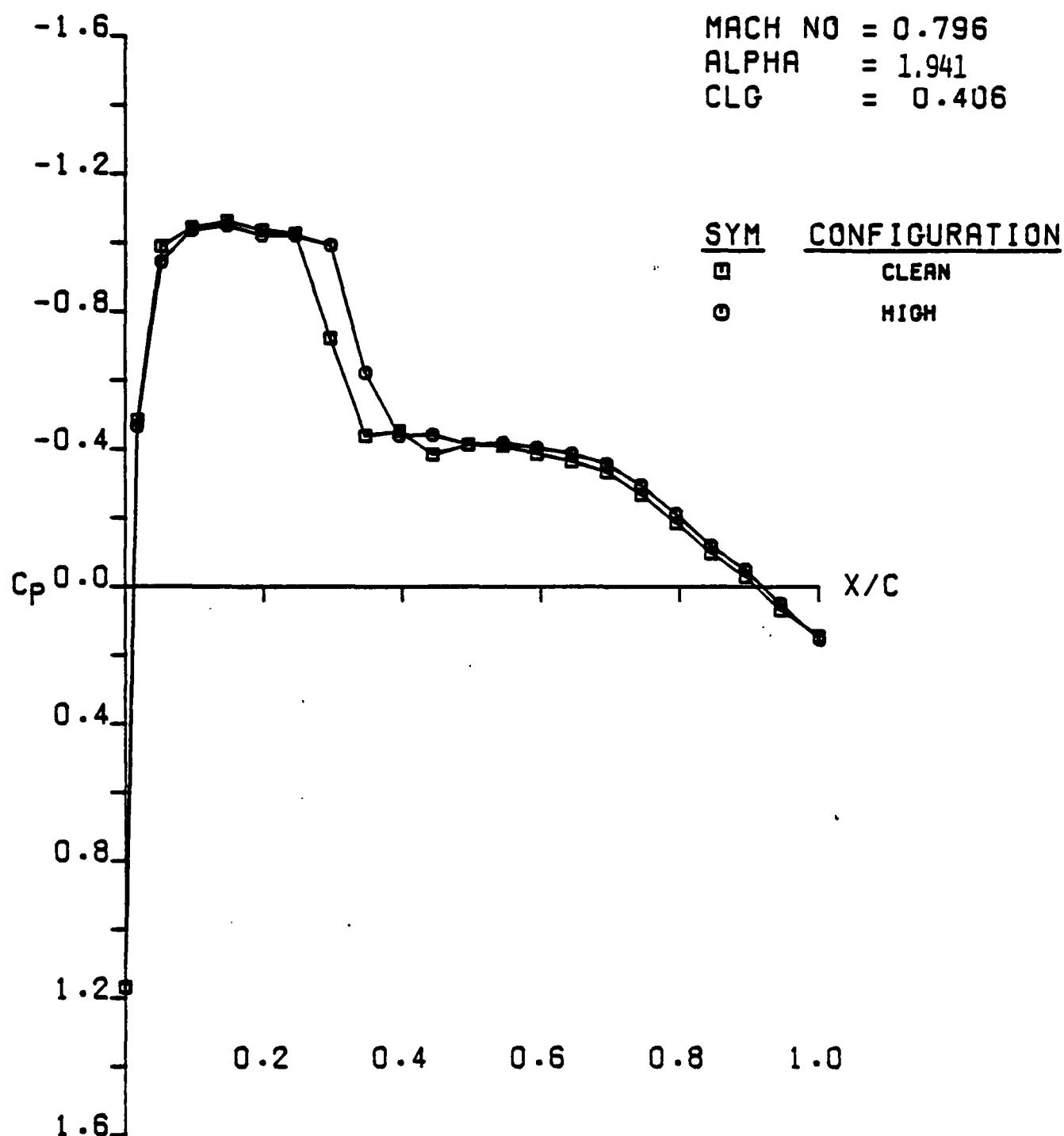
LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS HIGH (UPR SURF ETA .15)
 AFOSR SEMISPAN MODEL A



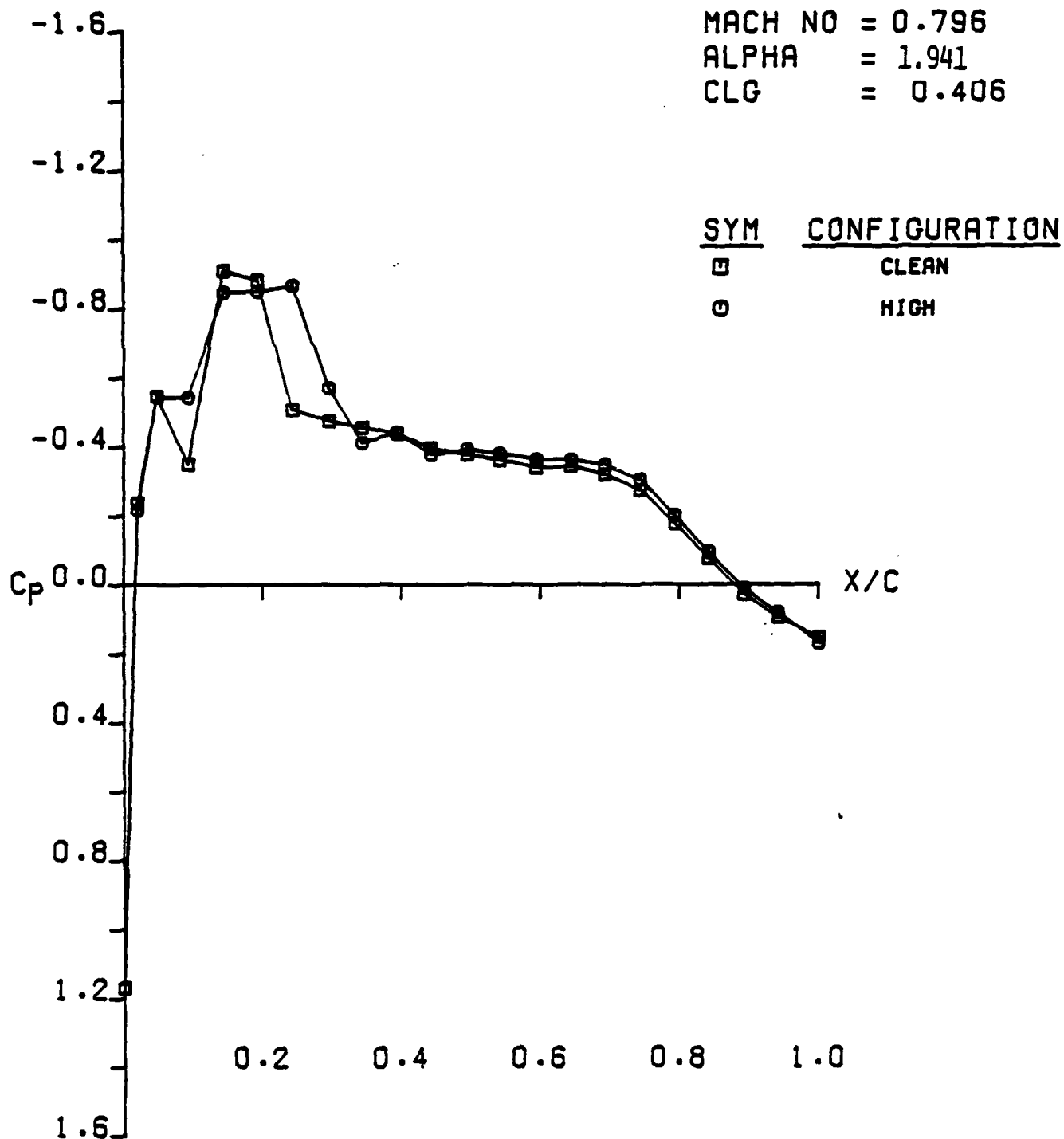
LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
CLN VS HIGH (UPR SURF ETA .30)
AFOSR SEMISPAN MODEL A



LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
CLN VS HIGH (UPR SURF ETA .50)
AFOSR SEMISPAN MODEL A



LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
CLN VS HIGH (UPR SURF ETA .70)
AFOSR SEMISPAN MODEL A



LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
CLN VS HIGH (UPR SURF ETA .95)
AFOSR SEMISPAN MODEL A

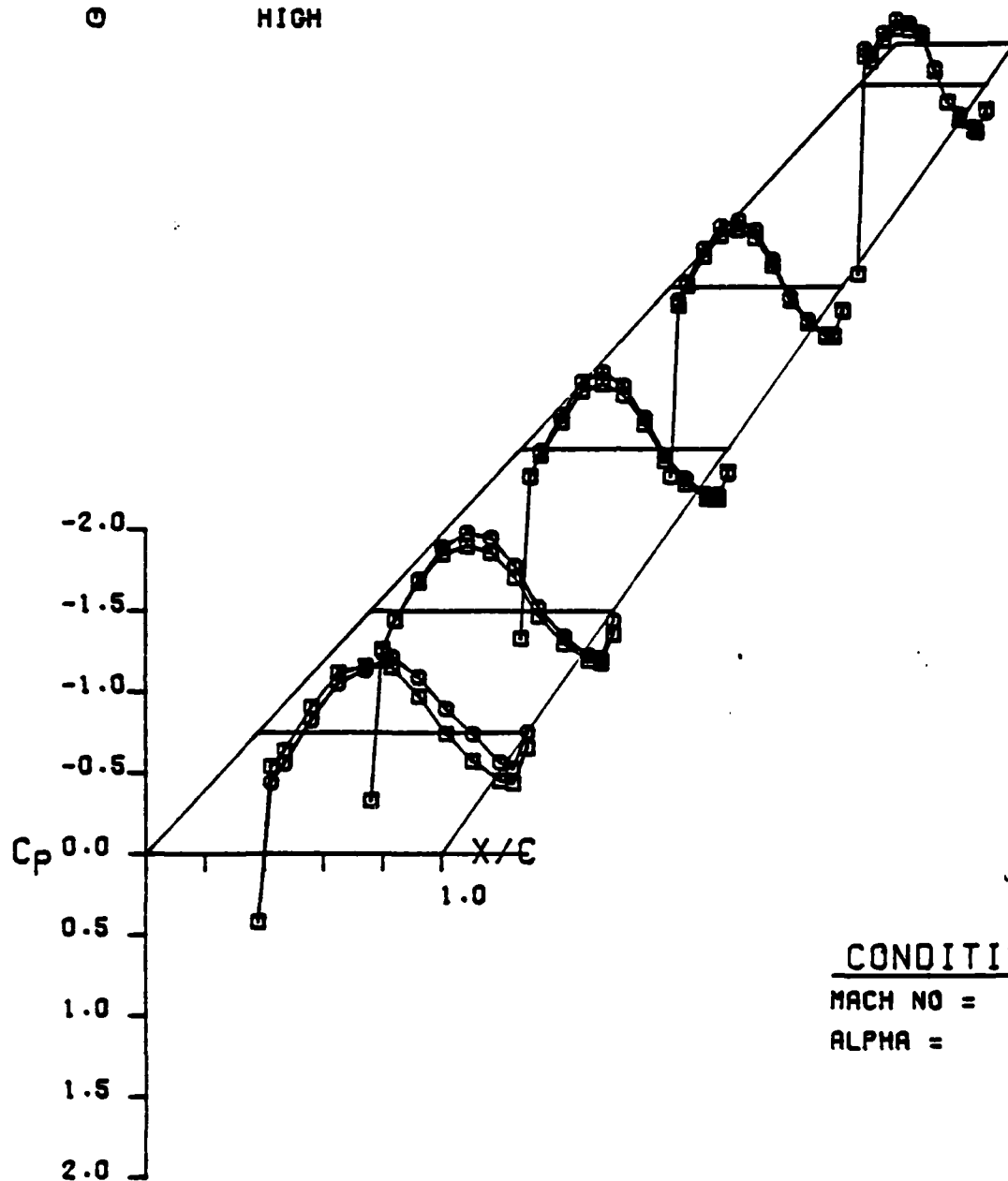
SYM CONFIGURATION

□

CLEAN

○

HIGH

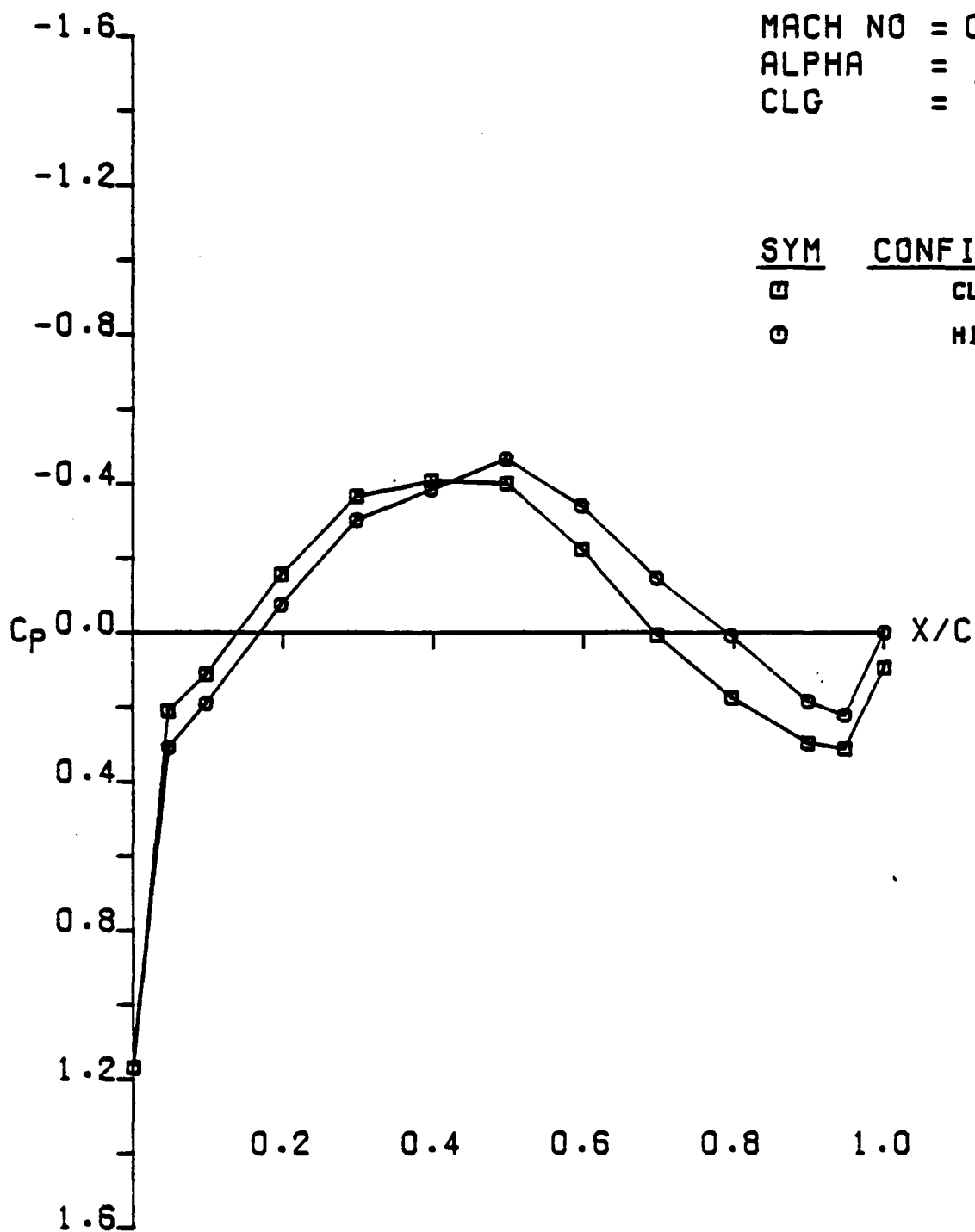


CONDITIONS

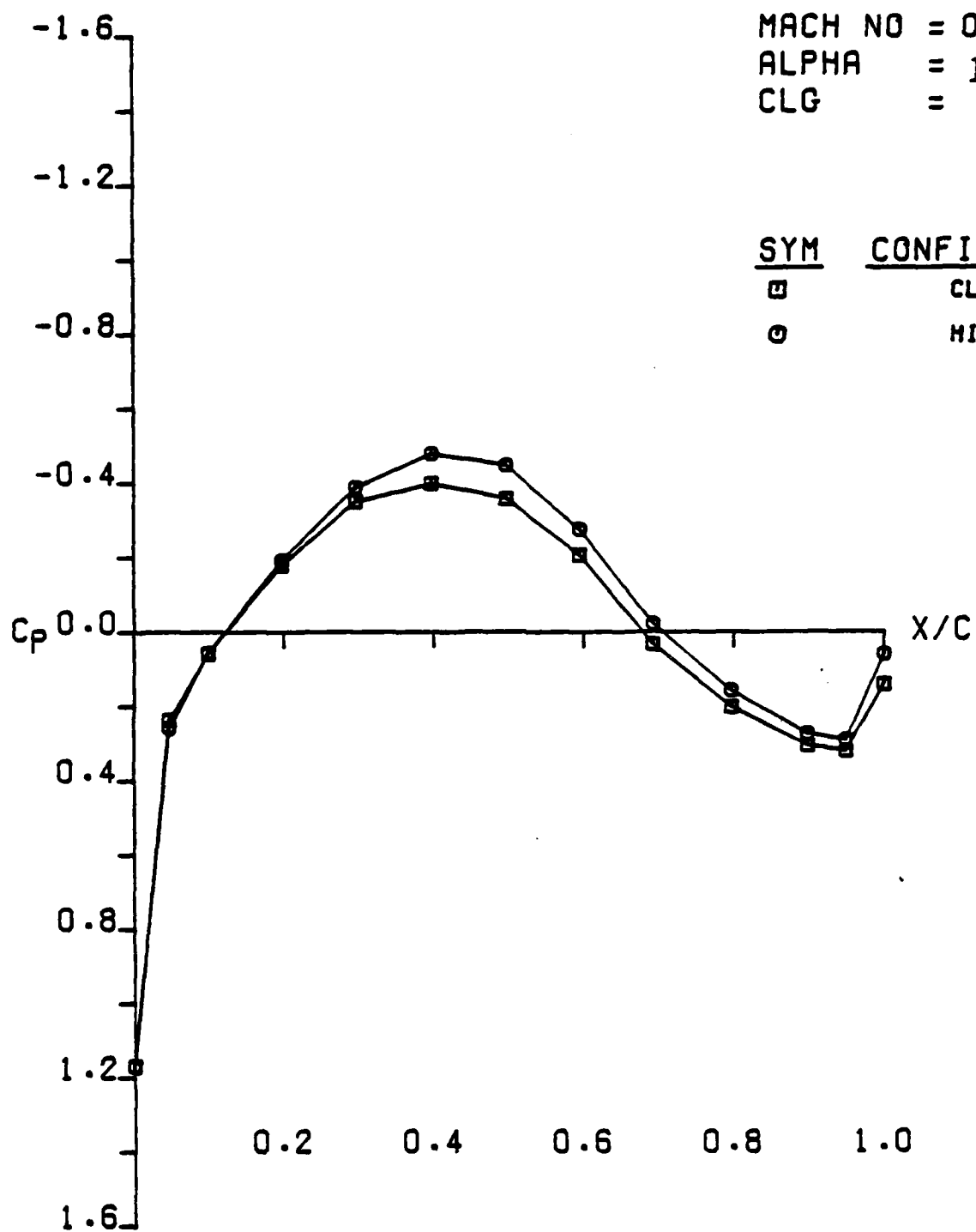
MACH NO = 0.796

ALPHA = 1.941

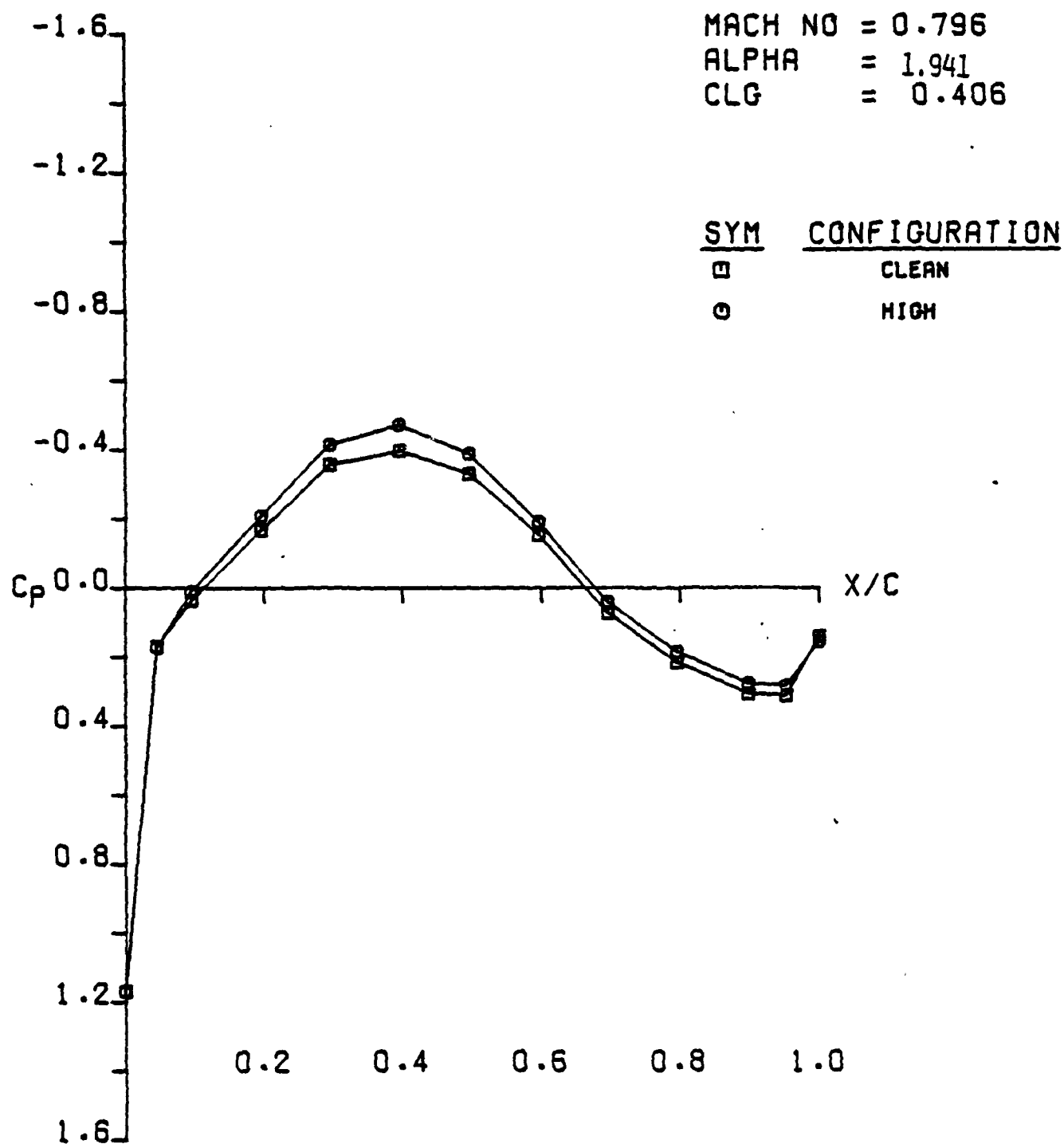
LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
CLN VS HIGH (LWR SURF)
AFOSR SEMISPAN MODEL A.



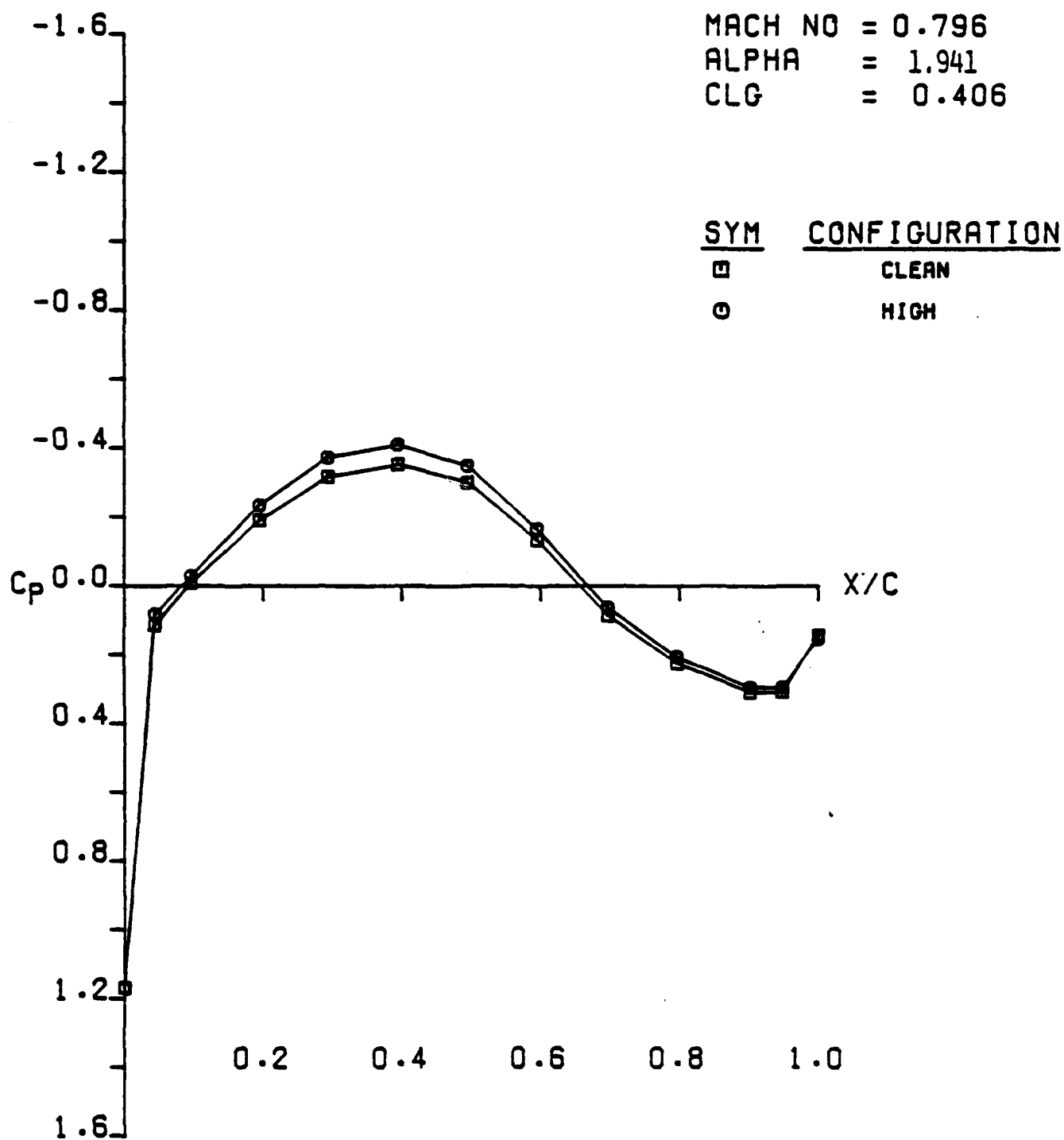
LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS HIGH (LWR SURF ETA .15)
 AFOSR SEMISPAN MODEL A



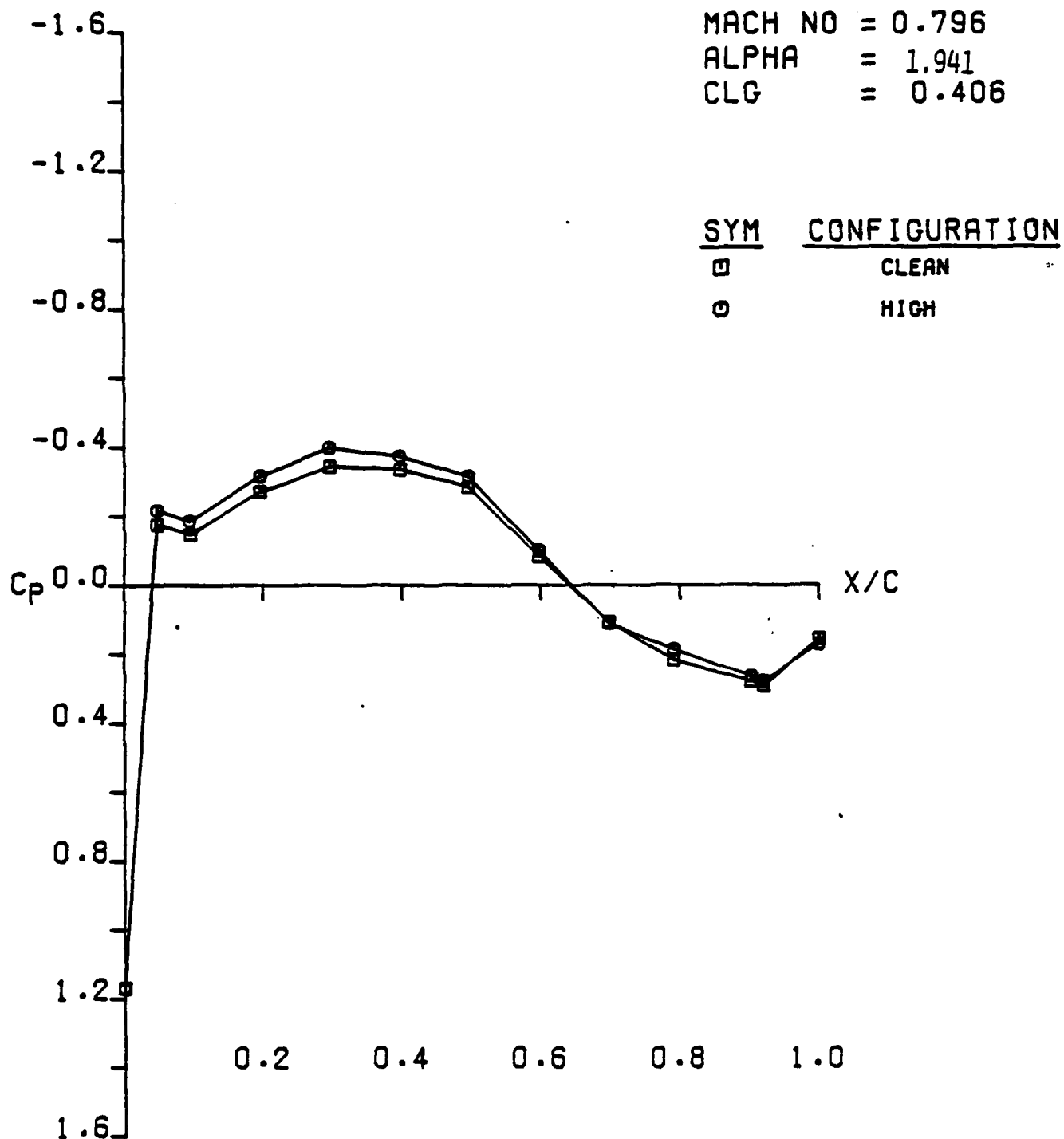
LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS HIGH (LWR SURF ETA .30)
 AFOSR SEMISPAN MODEL A

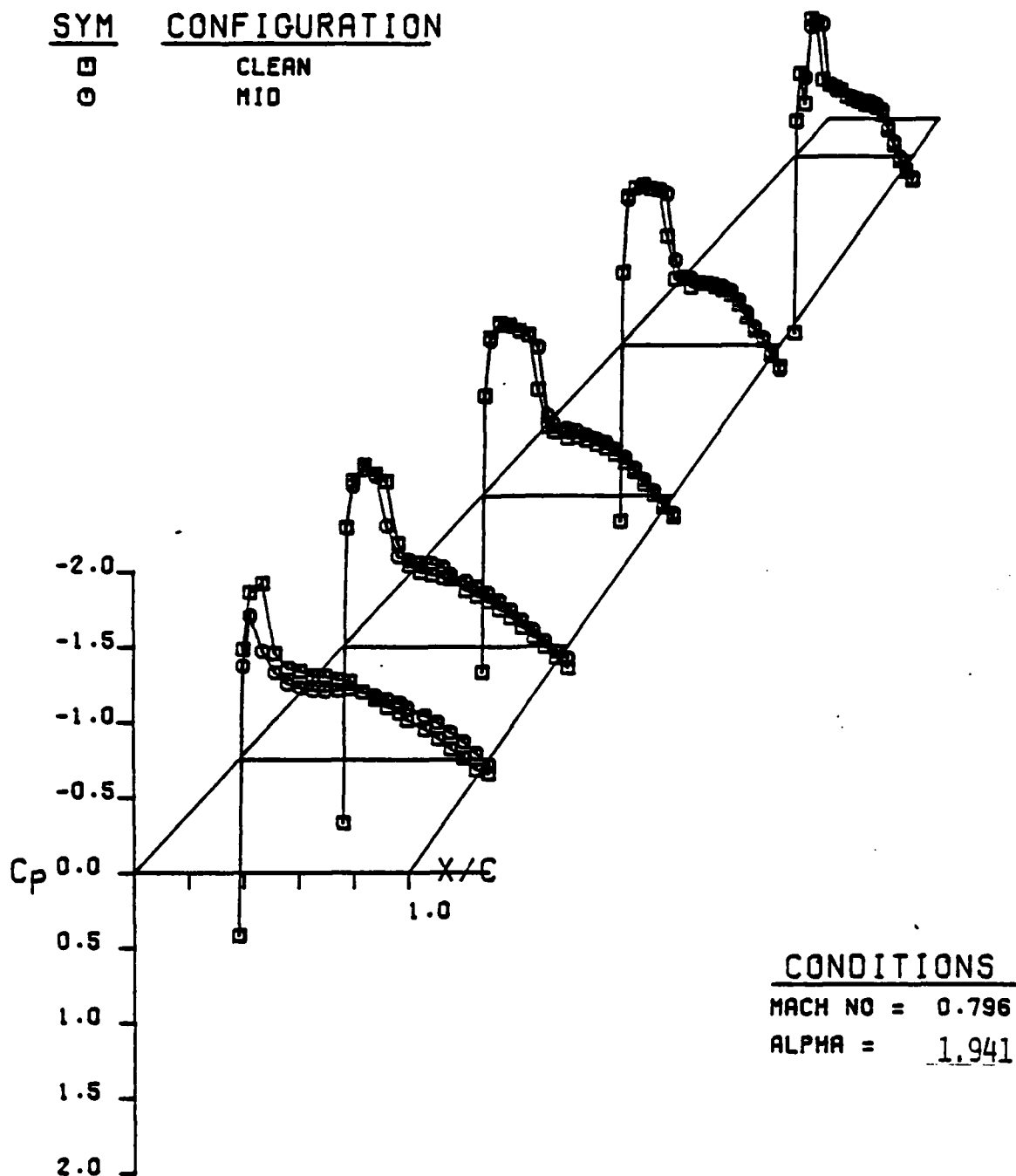


LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS HIGH (LWR SURF ETA .50)
 AFOSR SEMISPAN MODEL A

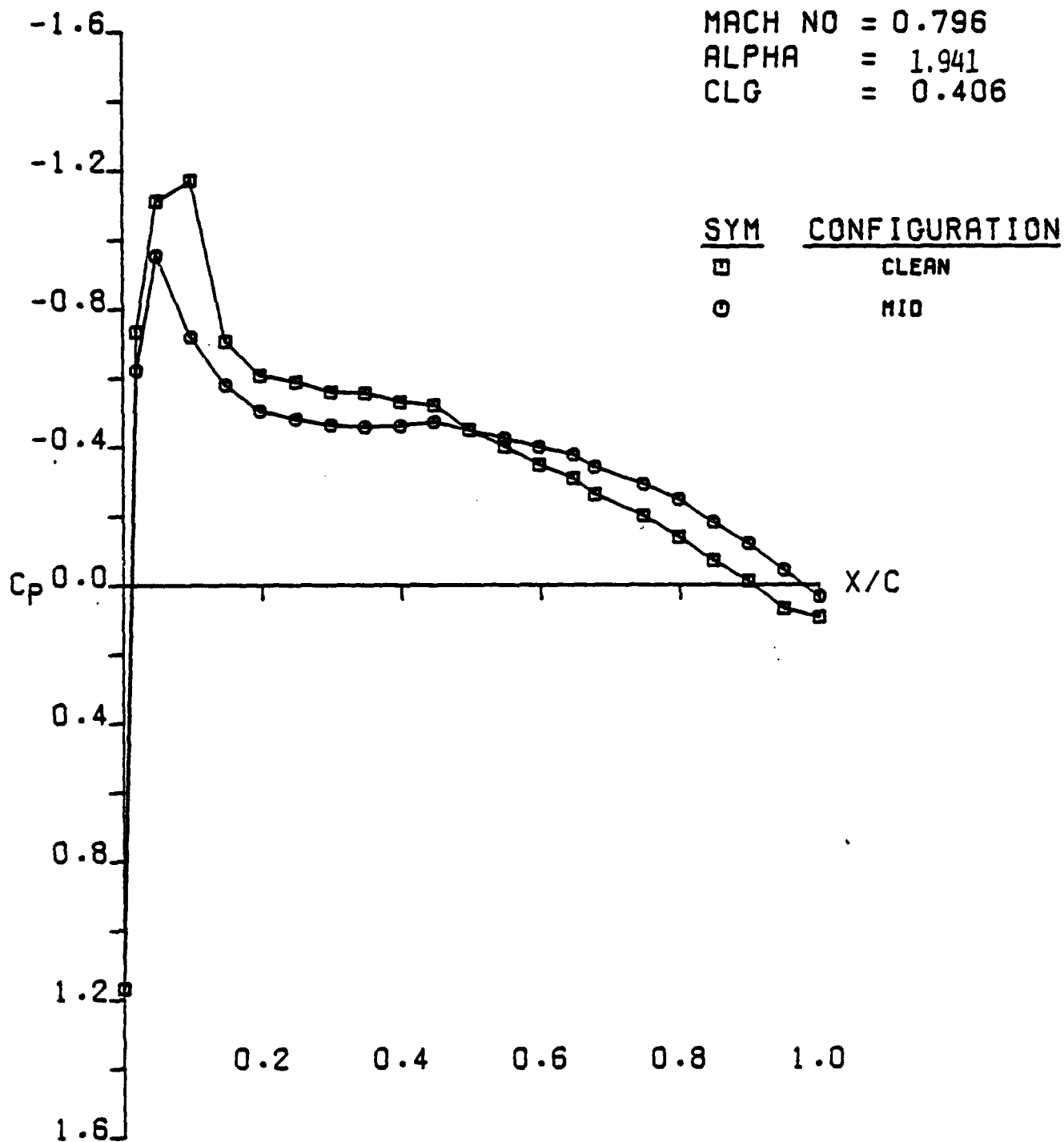


LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS HIGH (LWR SURF ETA .70)
 AFOSR SEMISPAN MODEL A

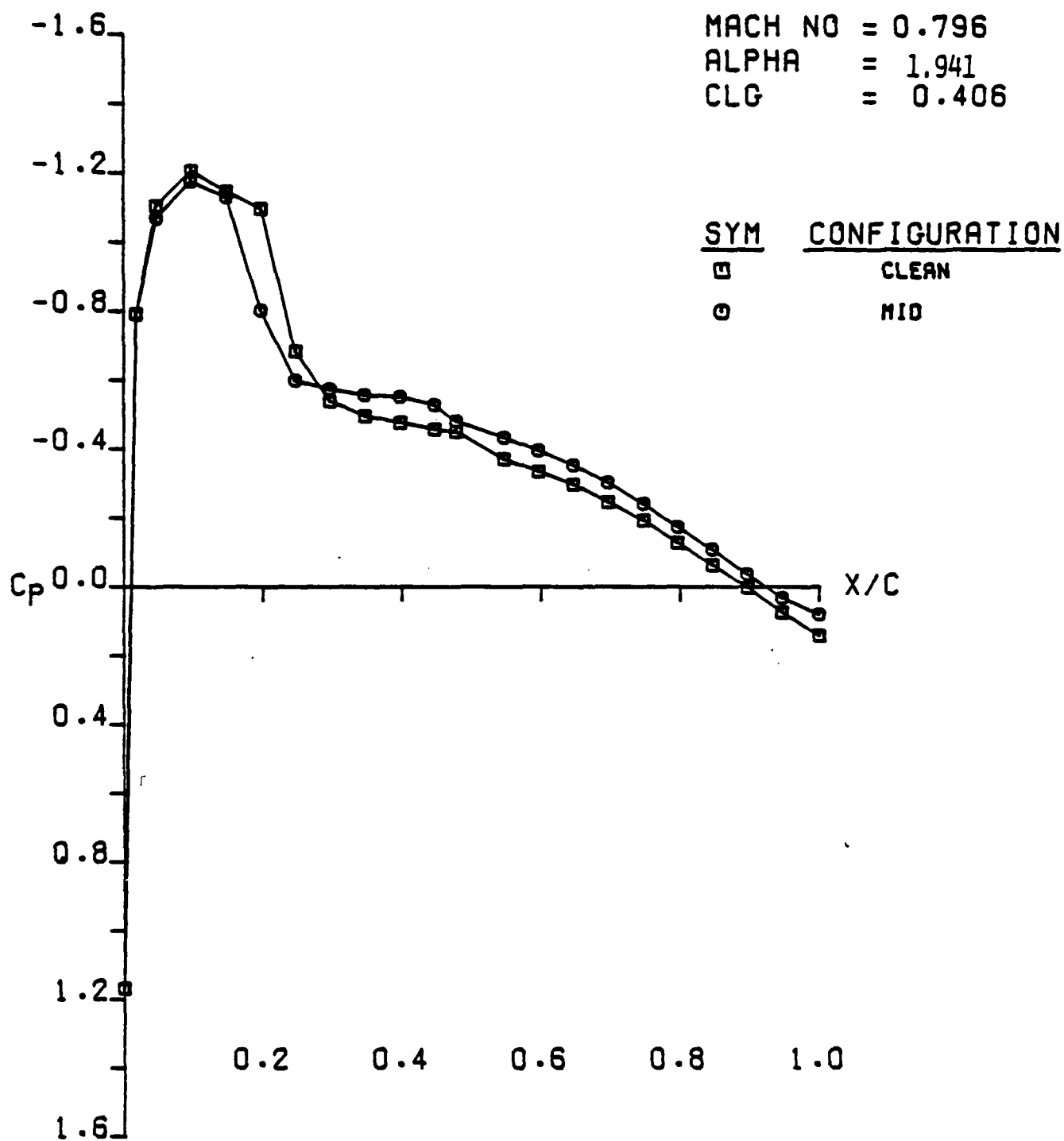




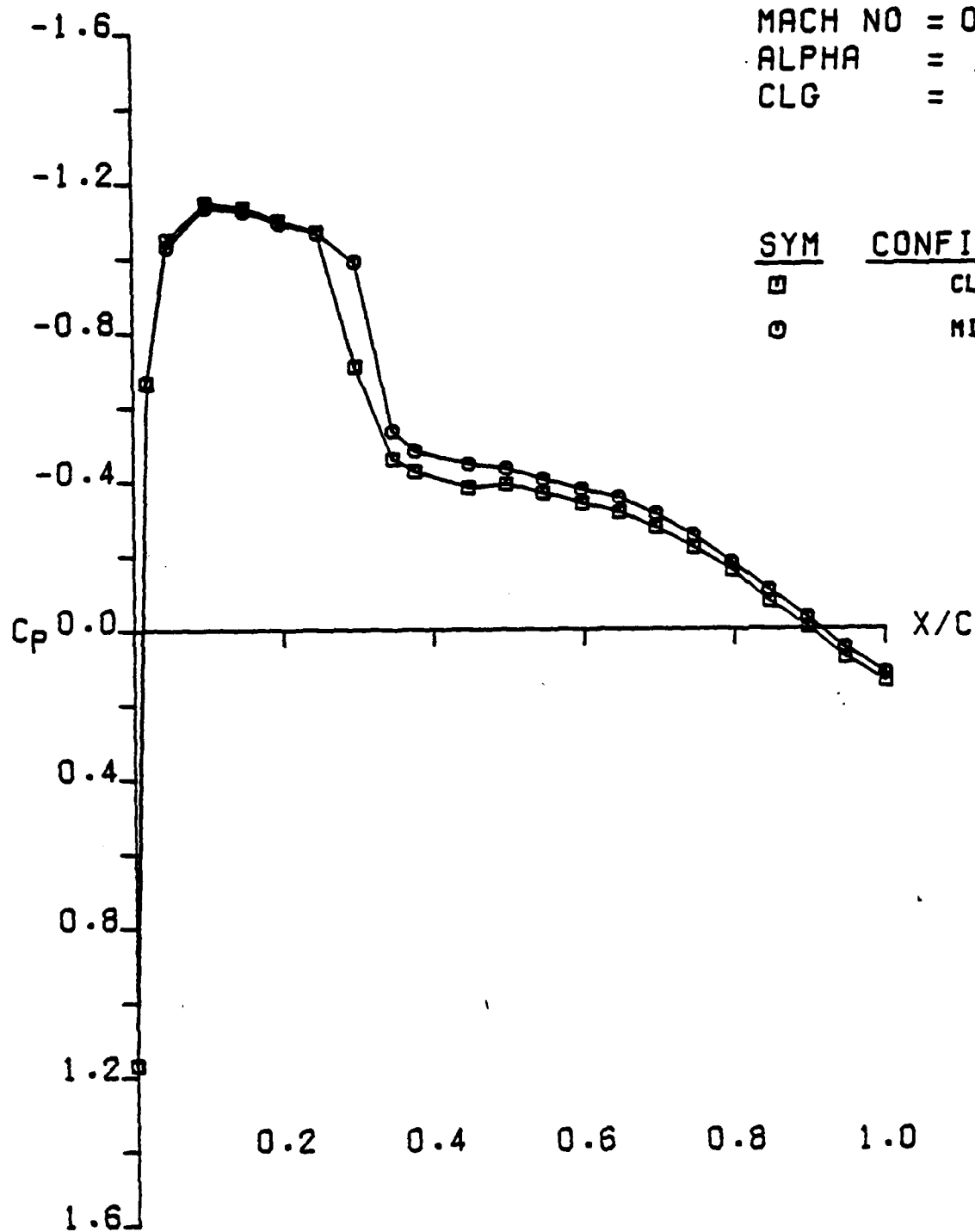
LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS MID (UPR SURF)
 AFOSR SEMISPAN MODEL A



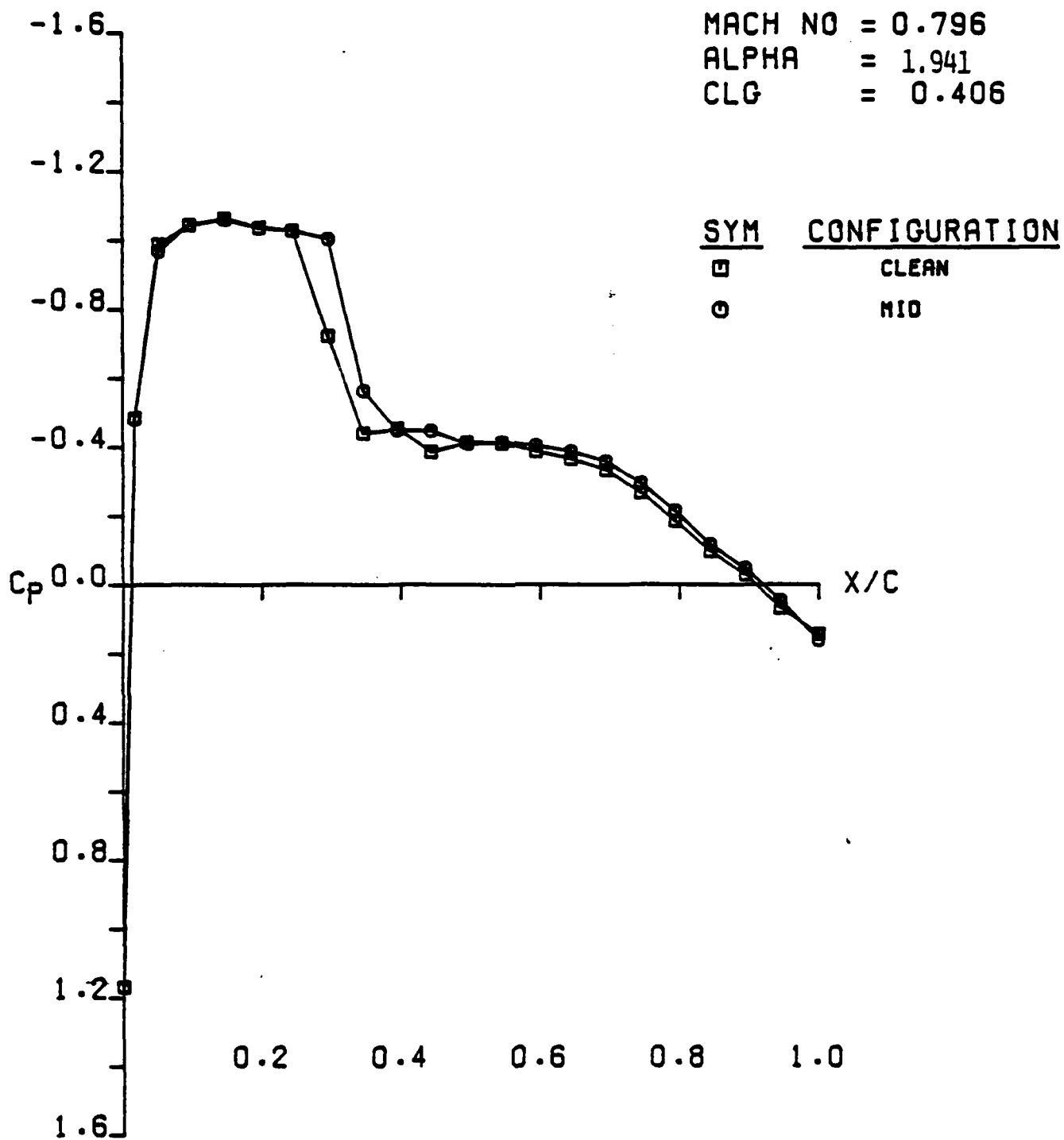
LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
CLN VS MID (UPR SURF ETA .15)
AFOSR SEMISPAN MODEL A



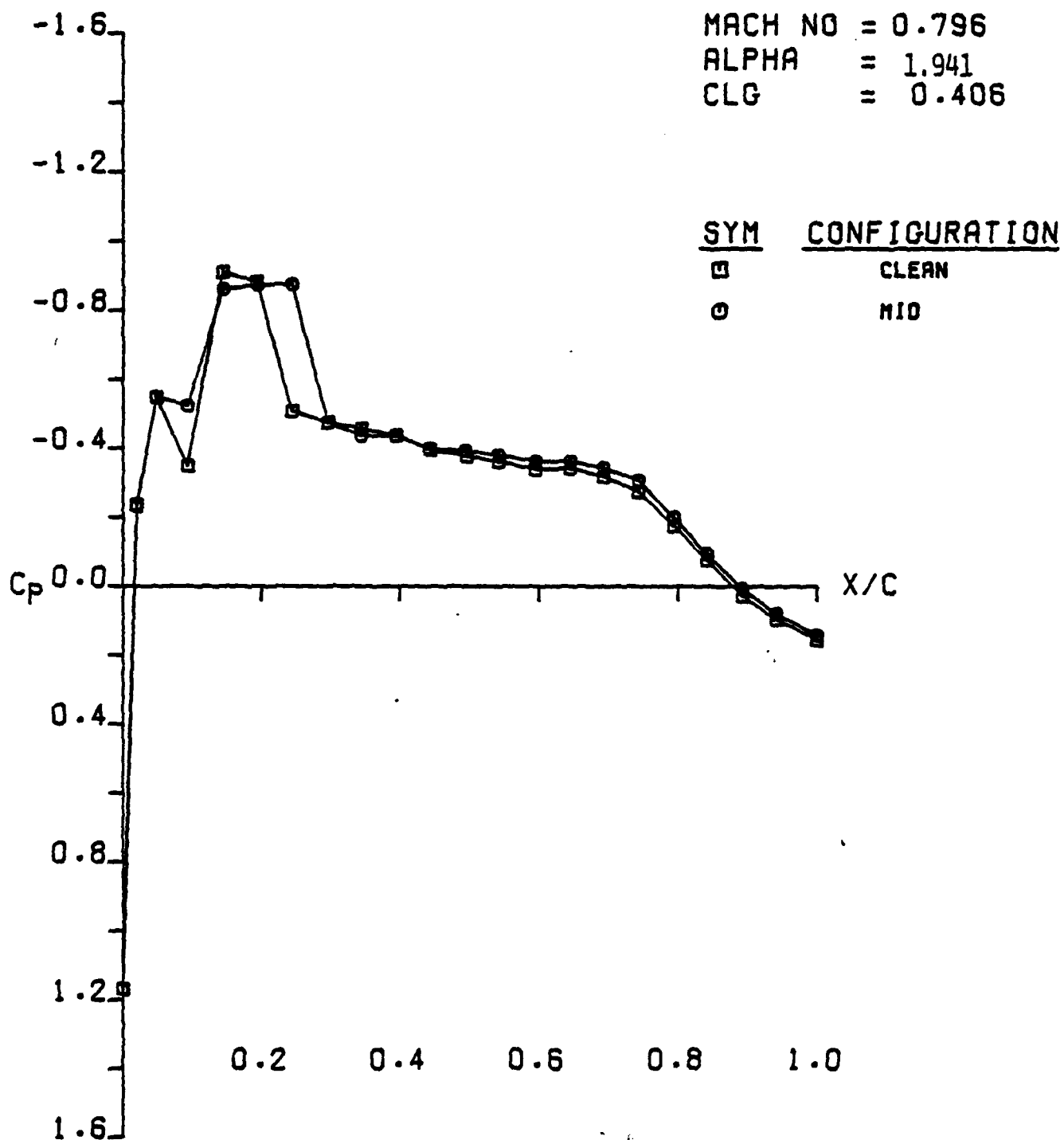
LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS MID (UPR SURF ETA .30)
 AFOSR SEMISPAN MODEL A



LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS MID (UPR SURF ETA .50)
 AFOSR SEMISPAN MODEL A

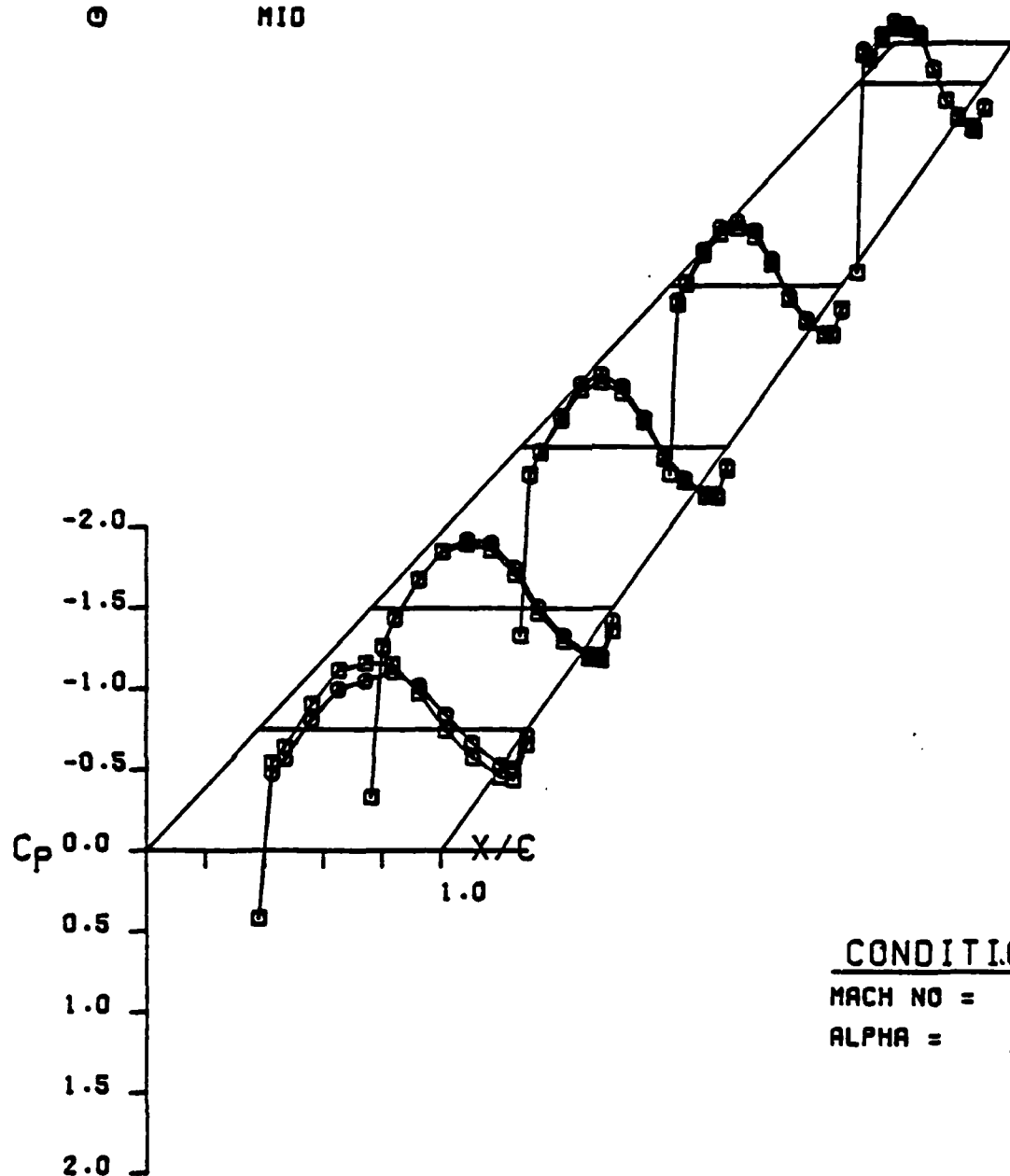


LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS MID (UPR SURF ETA .70)
 AFOSR SEMISPAN MODEL A



LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS MID (UPR SURF ETA .95)
 AFOSR SEMISPAN MODEL A

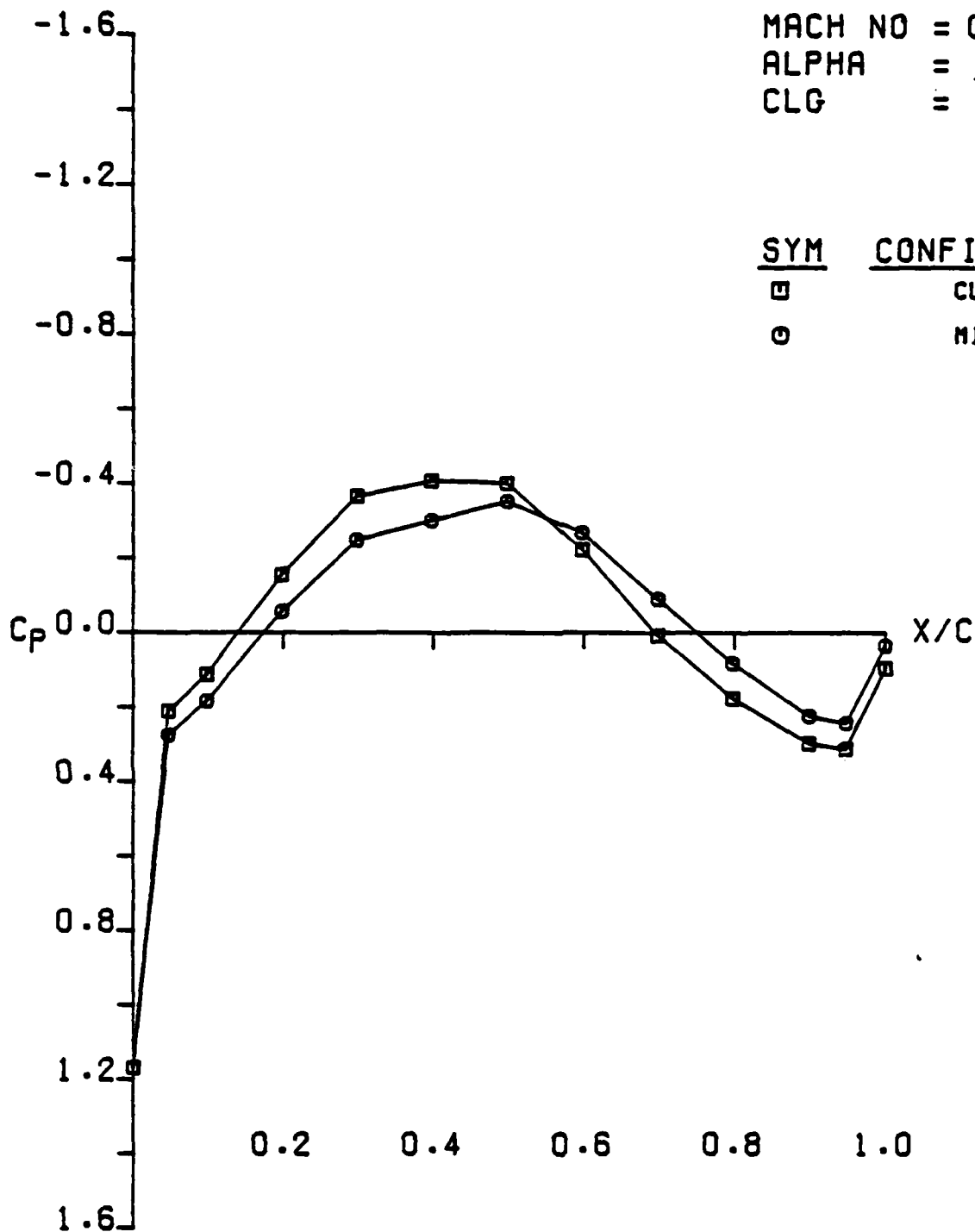
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID



LOCKHEED CFWT SEMI-SPAN TEST. RUN 29
 CLN VS MID (LWR SURF)
 AFOSR SEMISPAN MODEL A

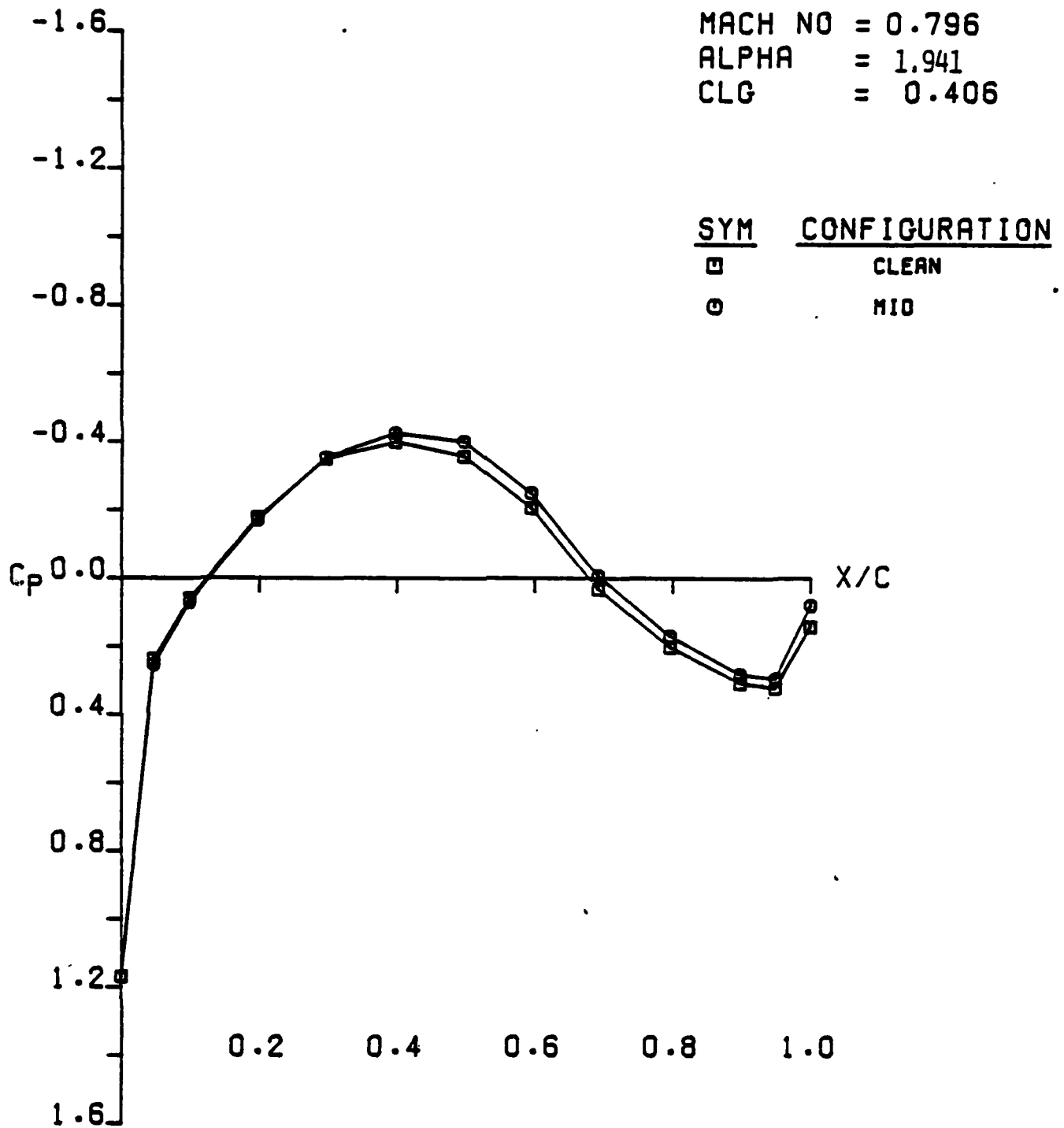
MACH NO = 0.796
 ALPHA = 1.941
 CLG = 0.406

SYM	CONFIGURATION
□	CLEAN
○	MID



LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS MID (LWR SURF ETA .15)
 AFOSR SEMISPAN MODEL A

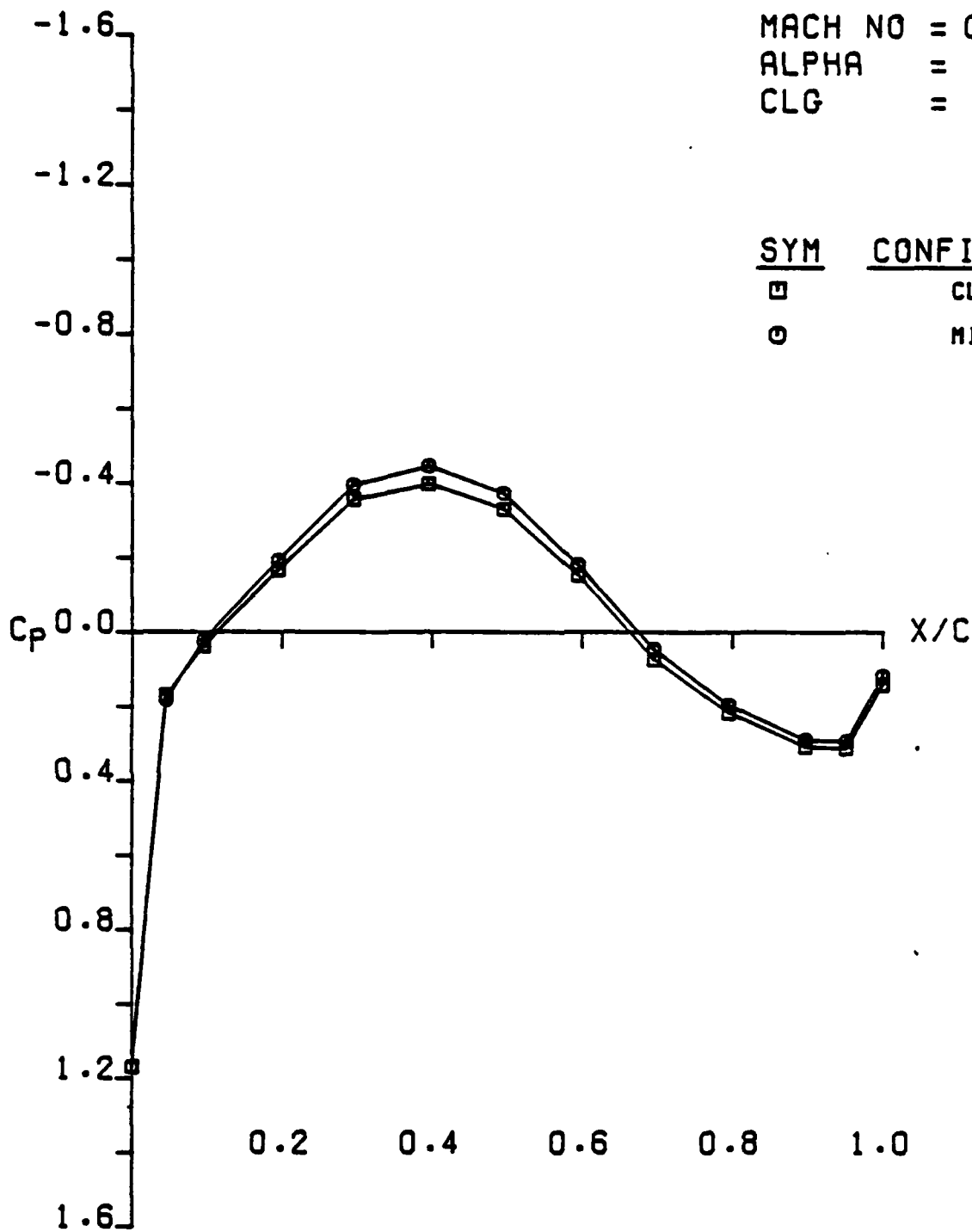
MACH NO = 0.796
ALPHA = 1.941
CLG = 0.406



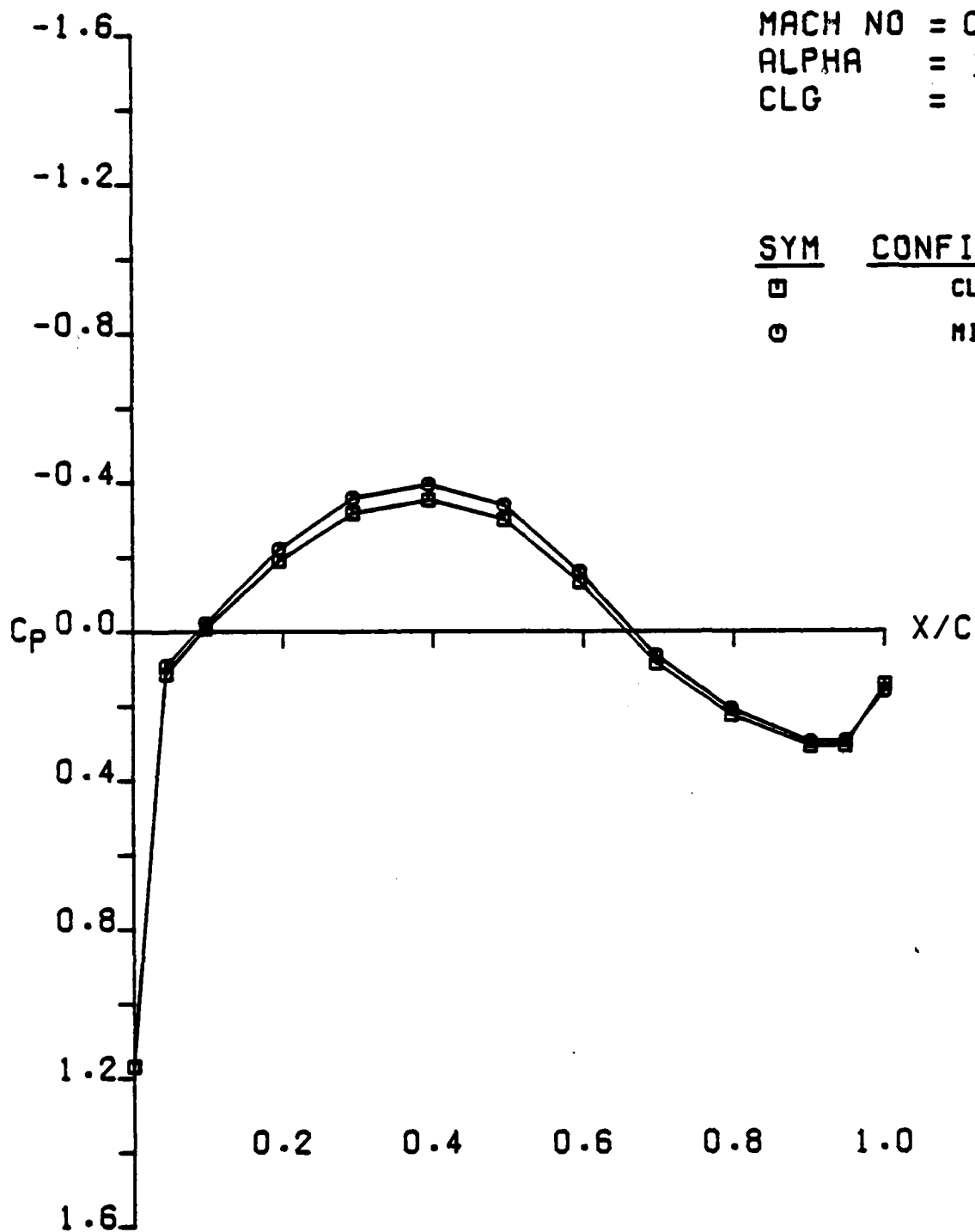
LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
CLN VS MID (LWR SURF ETA .30)
AFOSR SEMISPAN MODEL A

MACH NO = 0.796
 ALPHA = 1.941
 CLG = 0.406

SYM	CONFIGURATION
□	CLEAN
○	MID

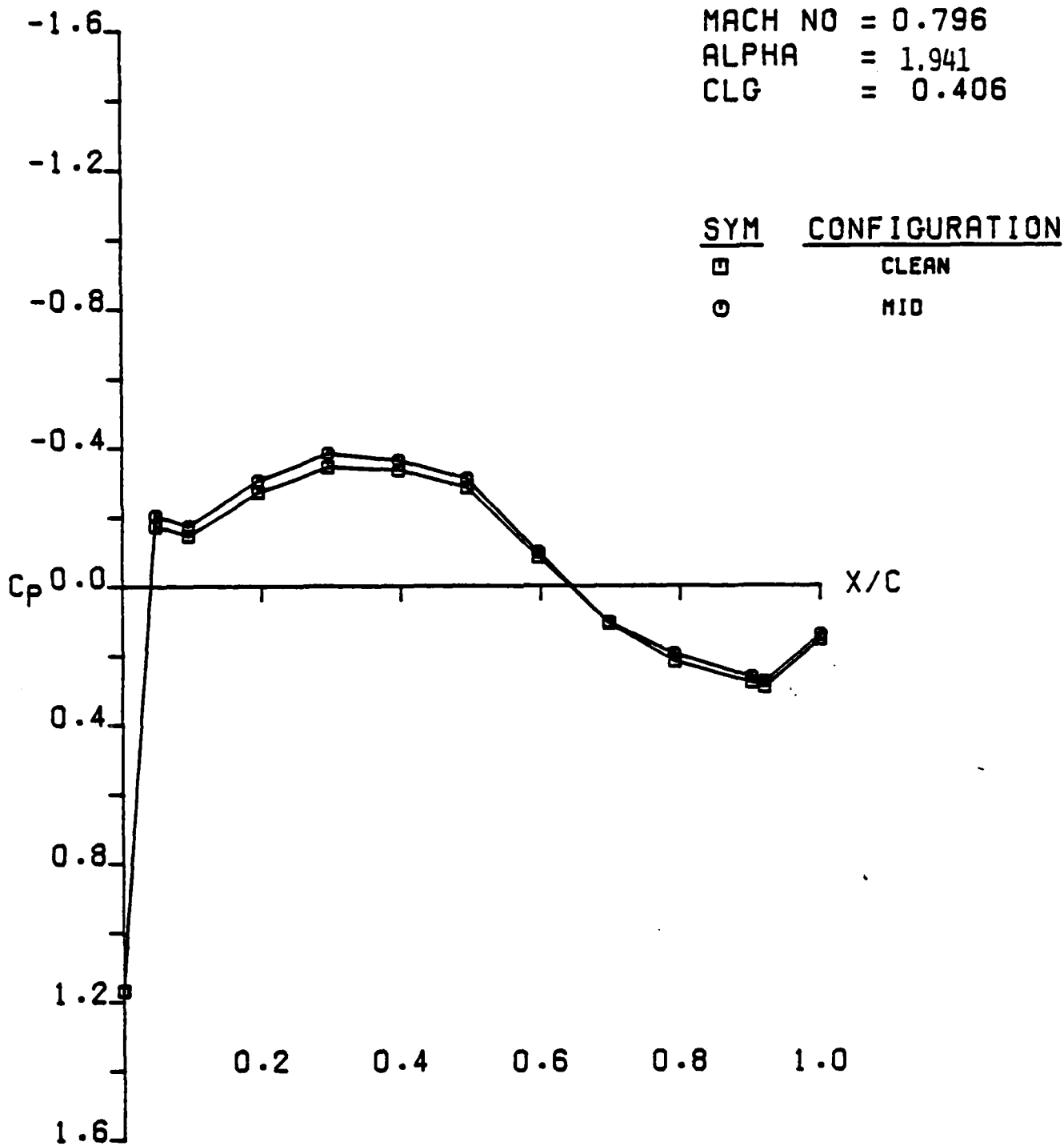


LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS MID (LWR SURF ETA .50)
 AFOSR SEMISPAN MODEL A

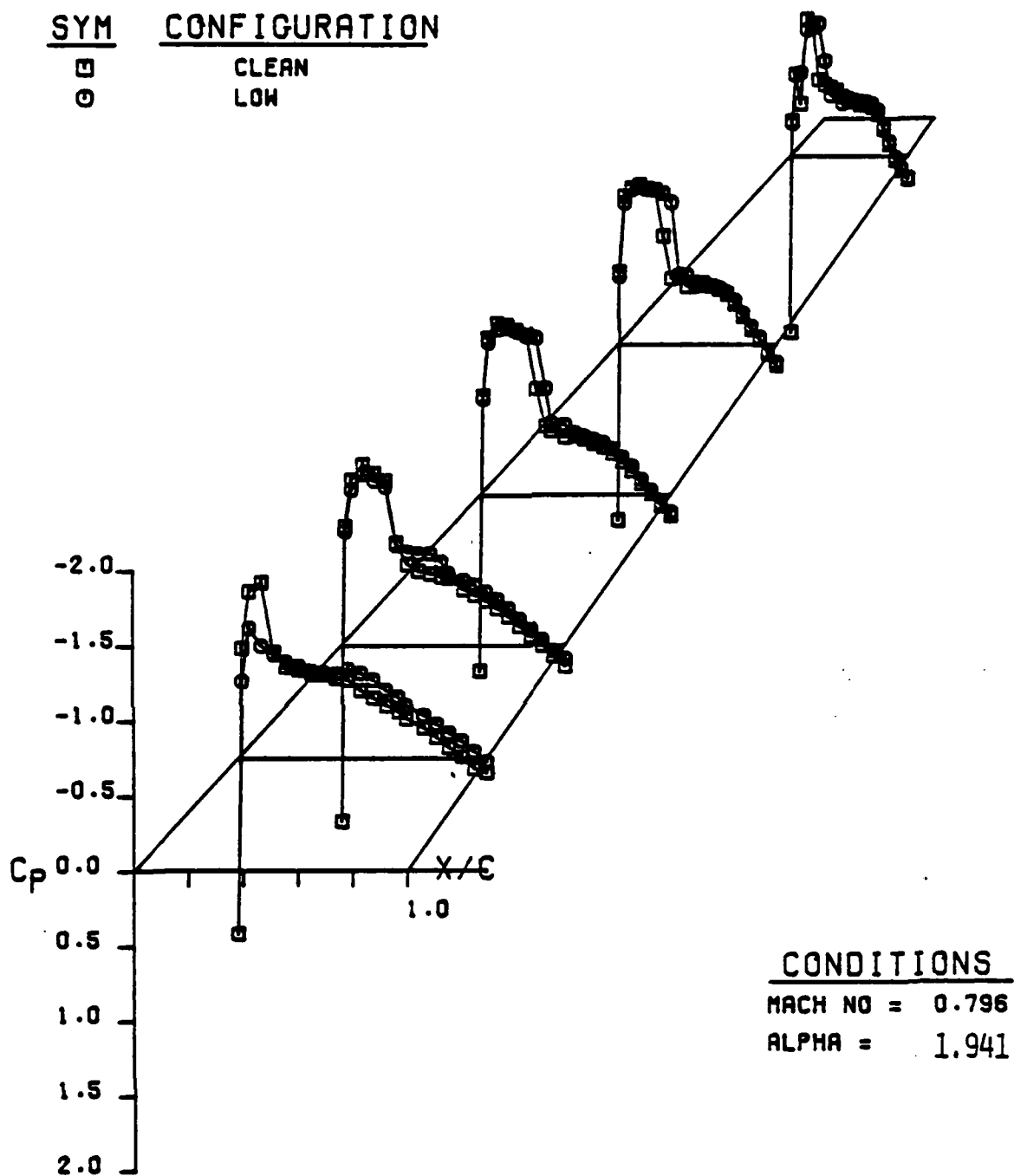


LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS MID (LWR SURF ETA .70)
 AFOSR SEMISPAN MODEL A

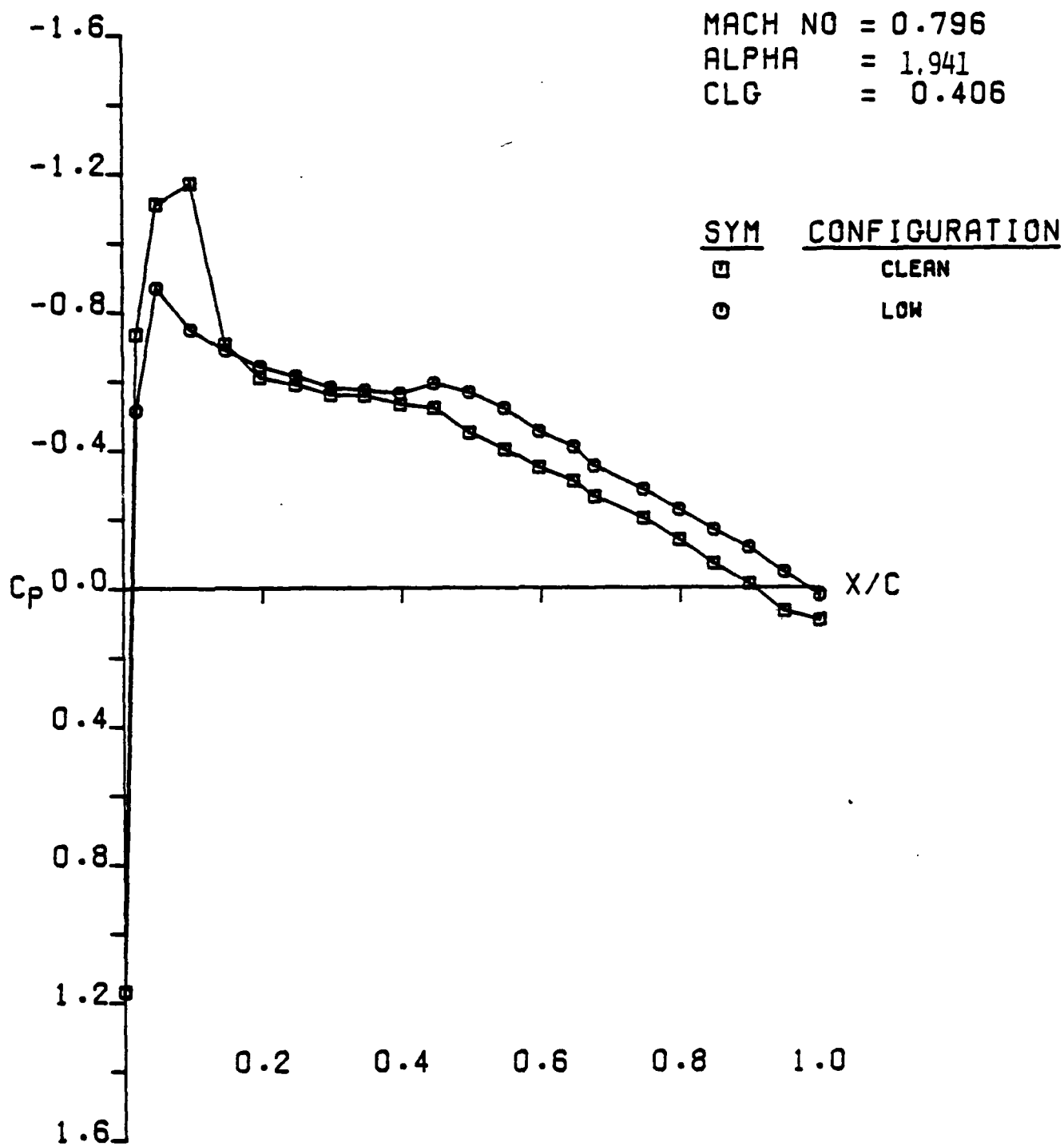
MACH NO = 0.796
 ALPHA = 1.941
 CLG = 0.406



LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS MID (LWR SURF ETA .95)
 AFOSR SEMISPAN MODEL A



LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS LOW (UPR SURF)
 AFOSR SEMISPAN MODEL A



LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
CLN VS LOW (UPR SURF ETA .15)
AFOSR SEMISPAN MODEL A

AD-A085 259

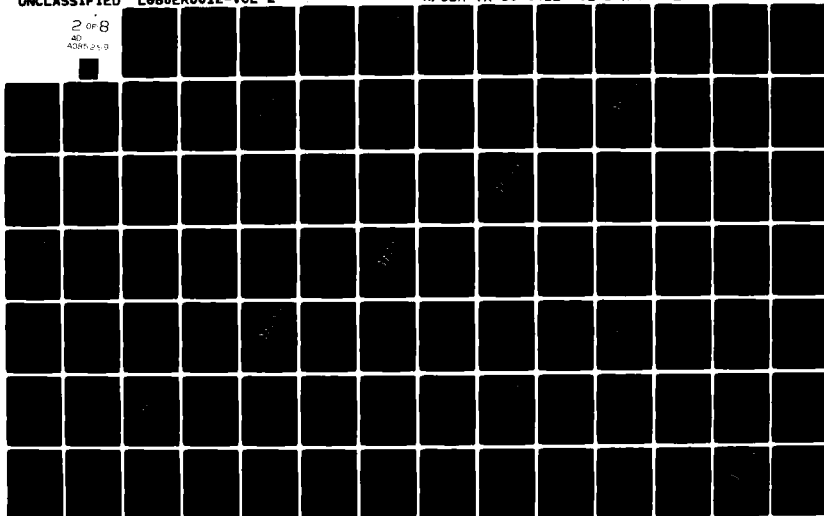
LOCKHEED-GEORGIA CO MARIETTA
ACQUISITION AND APPLICATION OF TRANSONIC WING AND FAR-FIELD YES--ETC(U)
MAR 80 B L HINSON, K P BURGES
LG80ER0012-VOL-2

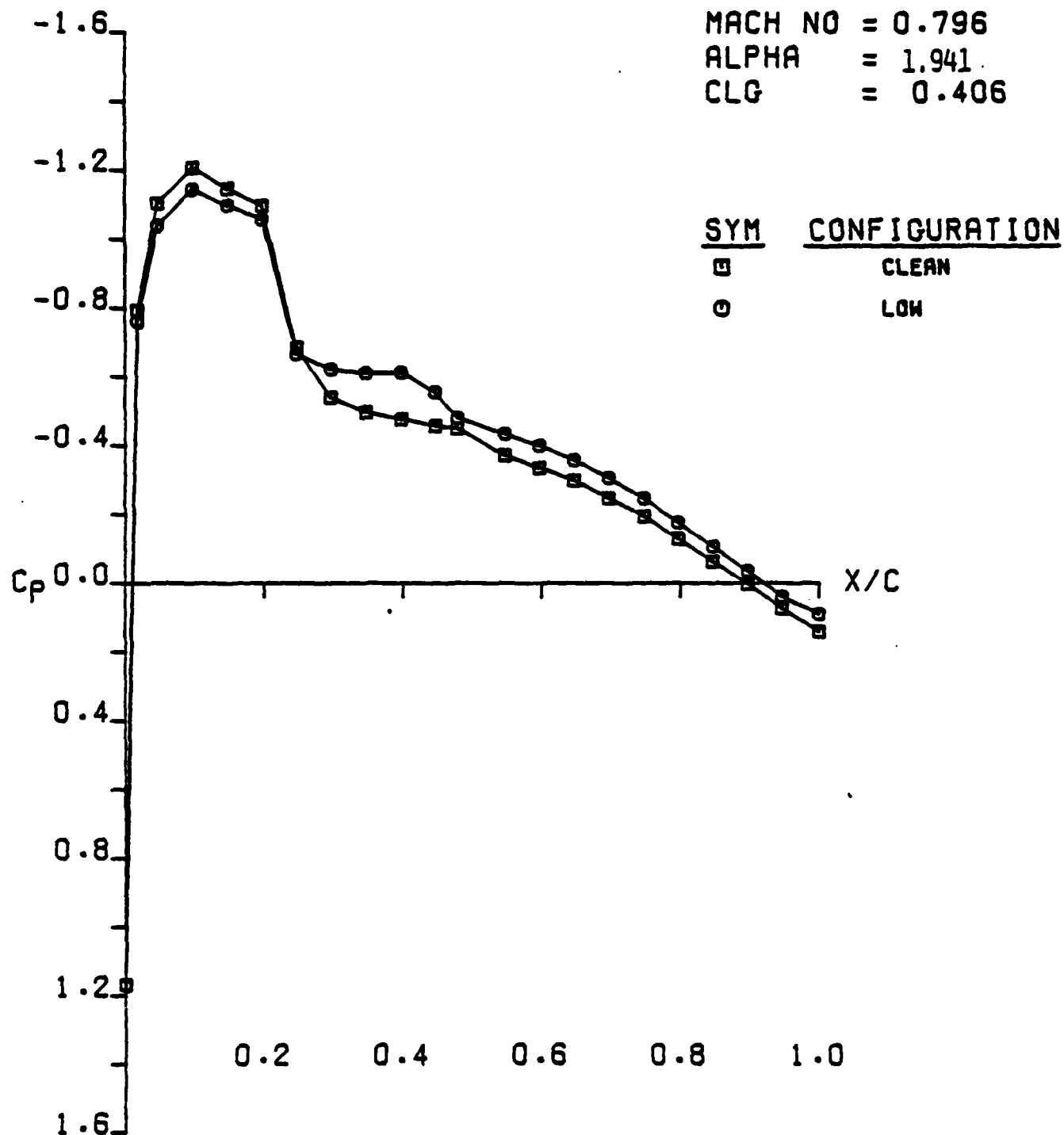
F/G 20/4
F49620-78-C-0068

UNCLASSIFIED

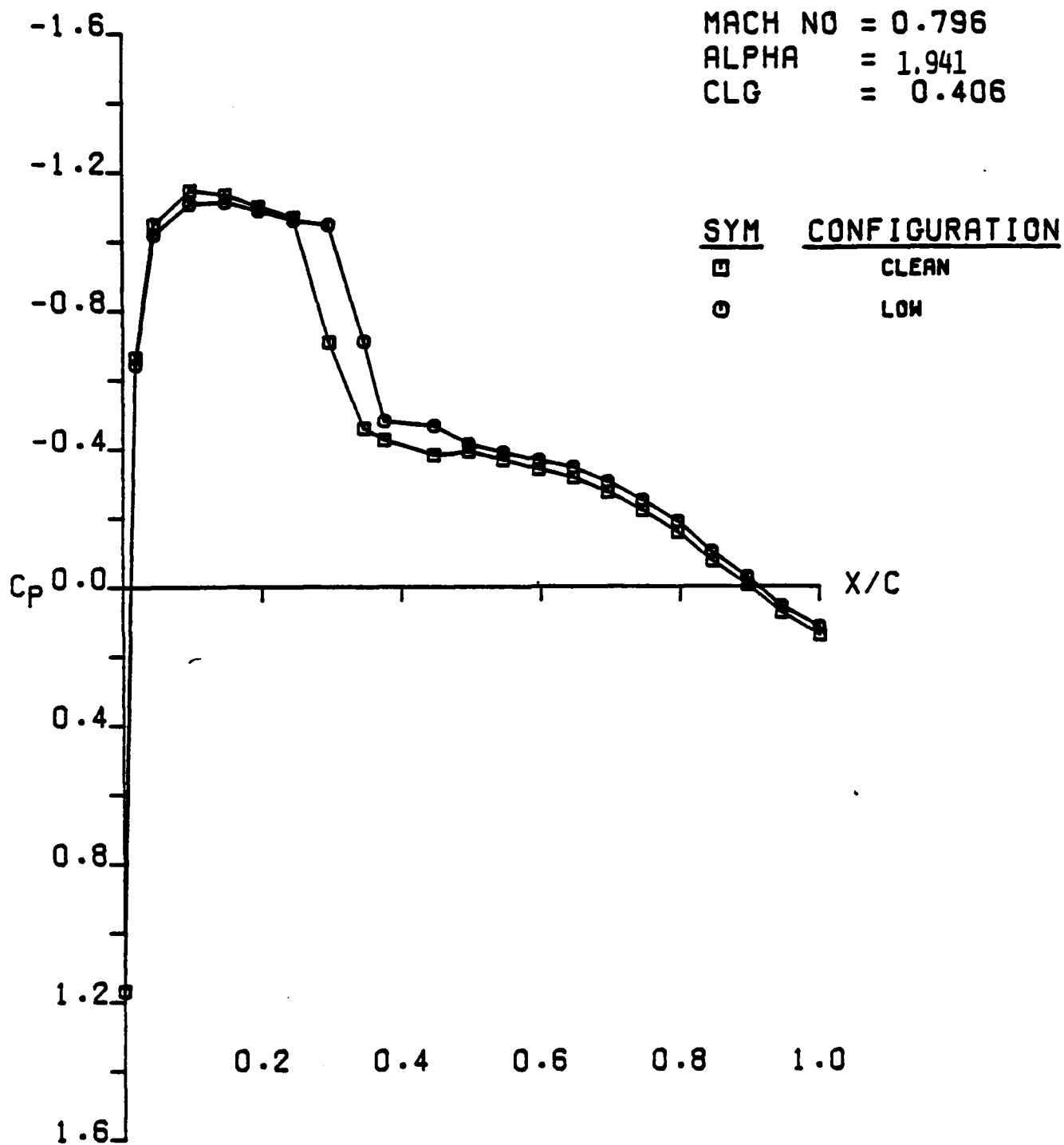
AFOSR-TR-80-0422-VOL-2-APP NL

2 of 8
AD
ADRS 259

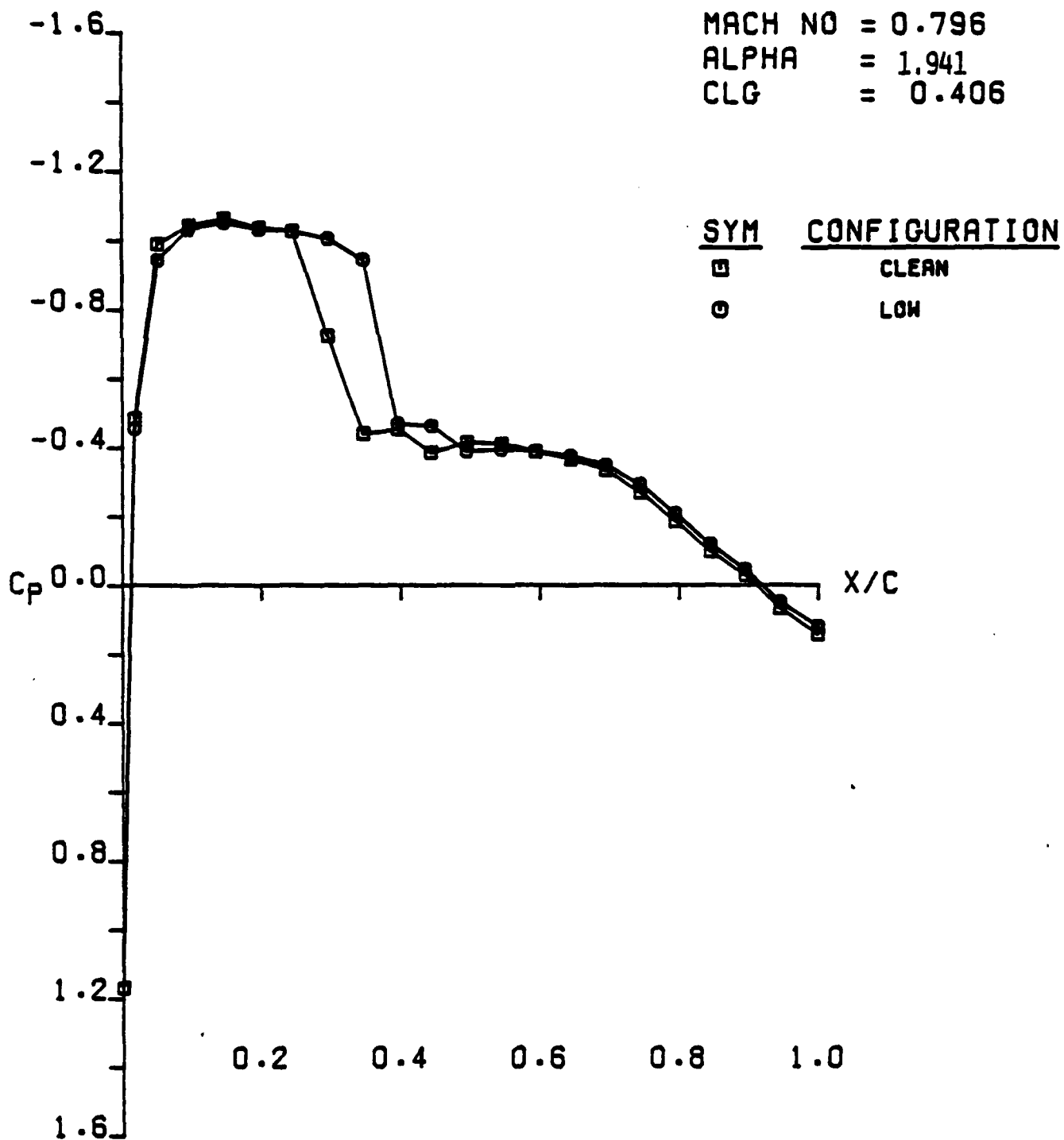




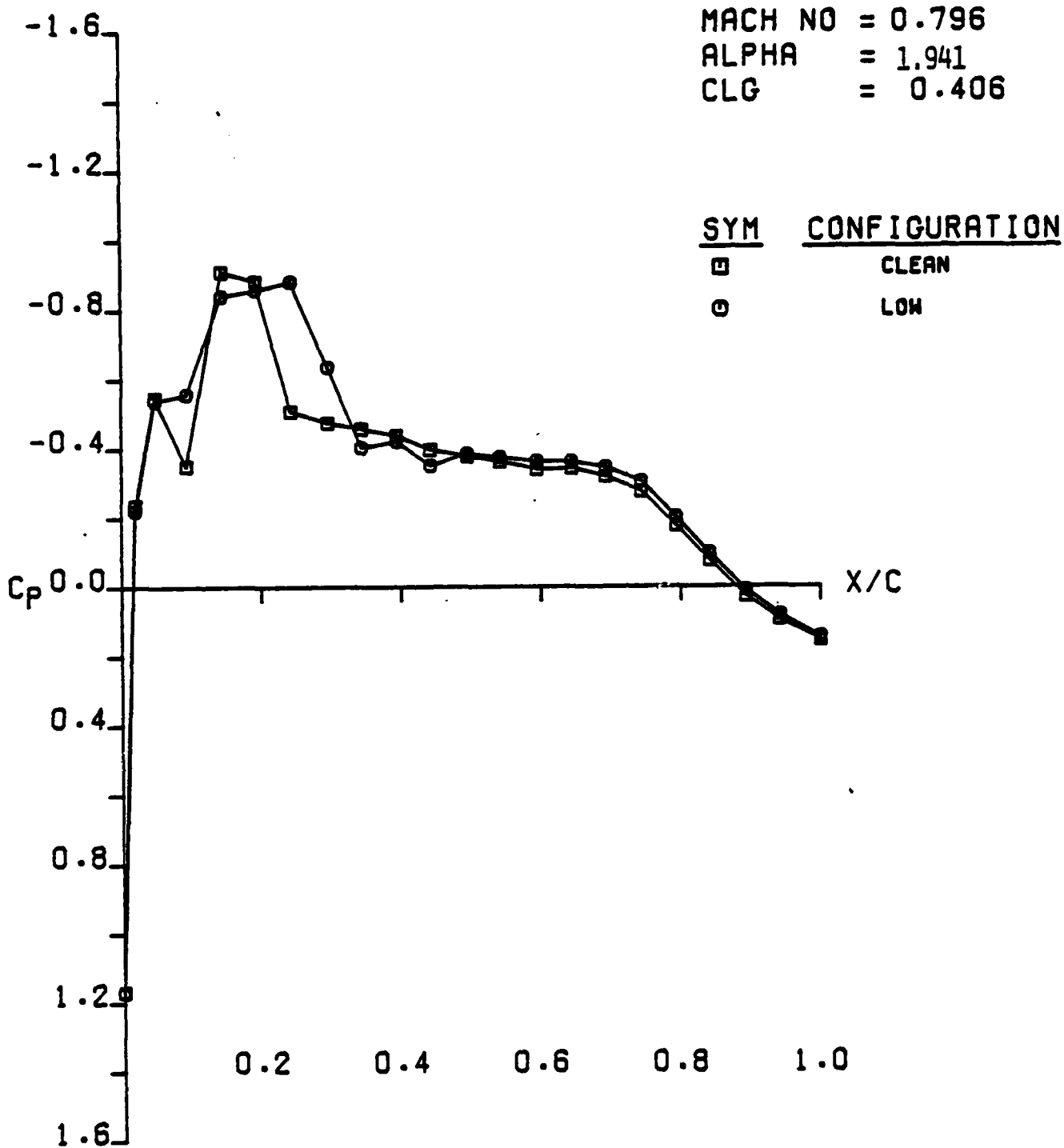
LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS LOW (UPR SURF ETA .30)
 AFOSR SEMISPAN MODEL A



LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS LOW (UPR SURF ETA .50)
 AFOSR SEMISPAN MODEL A



LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS LOW (UPR SURF ETA .70)
 AFOSR SEMISPAN MODEL A

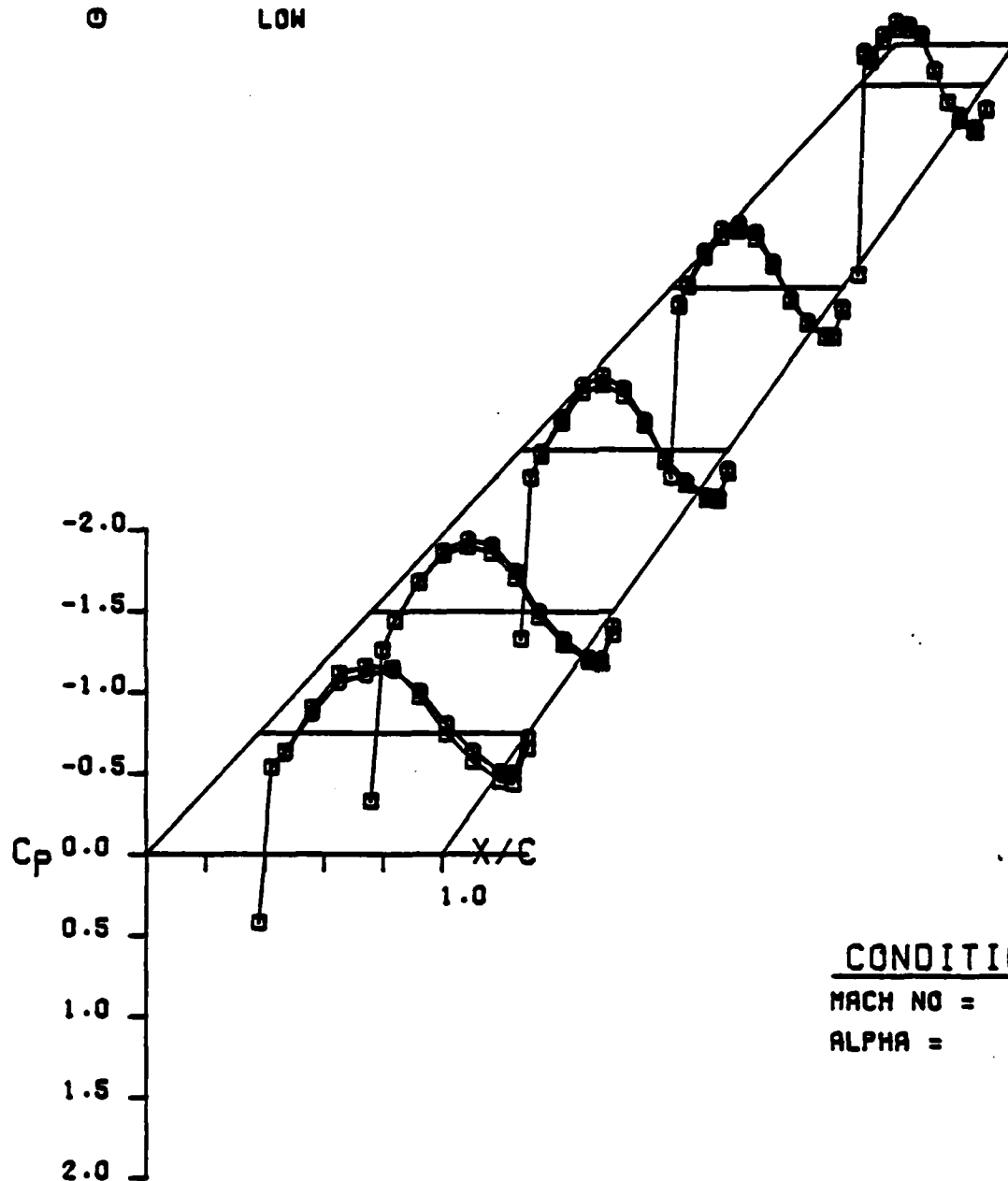


LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
CLN VS LOW (UPR SURF ETA .95)
AFOSR SEMISPAN MODEL A

SYM CONFIGURATION

□
○

CLEAN
LOW

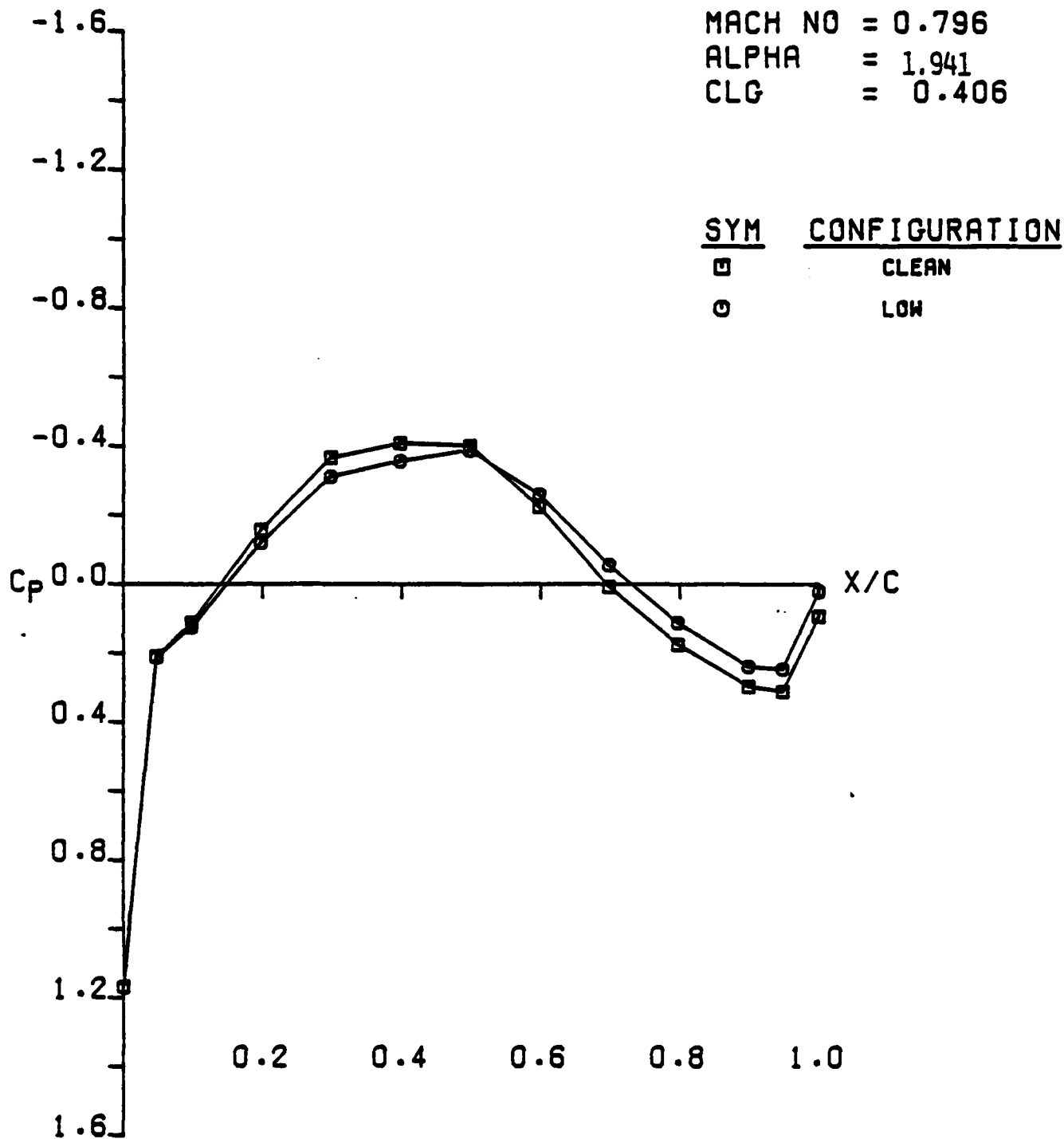


CONDITIONS

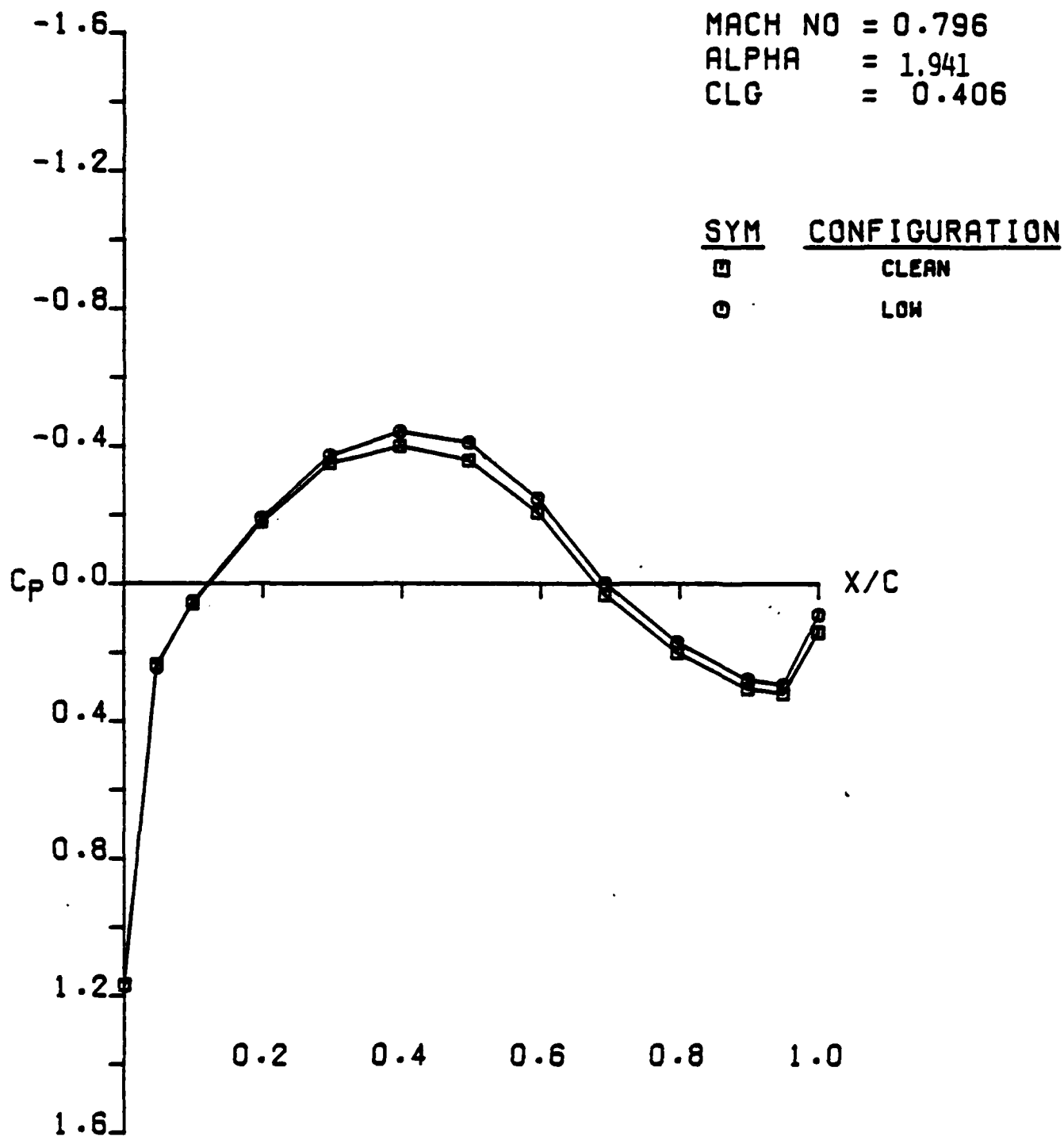
MACH NO = 0.796

ALPHA = 1.941

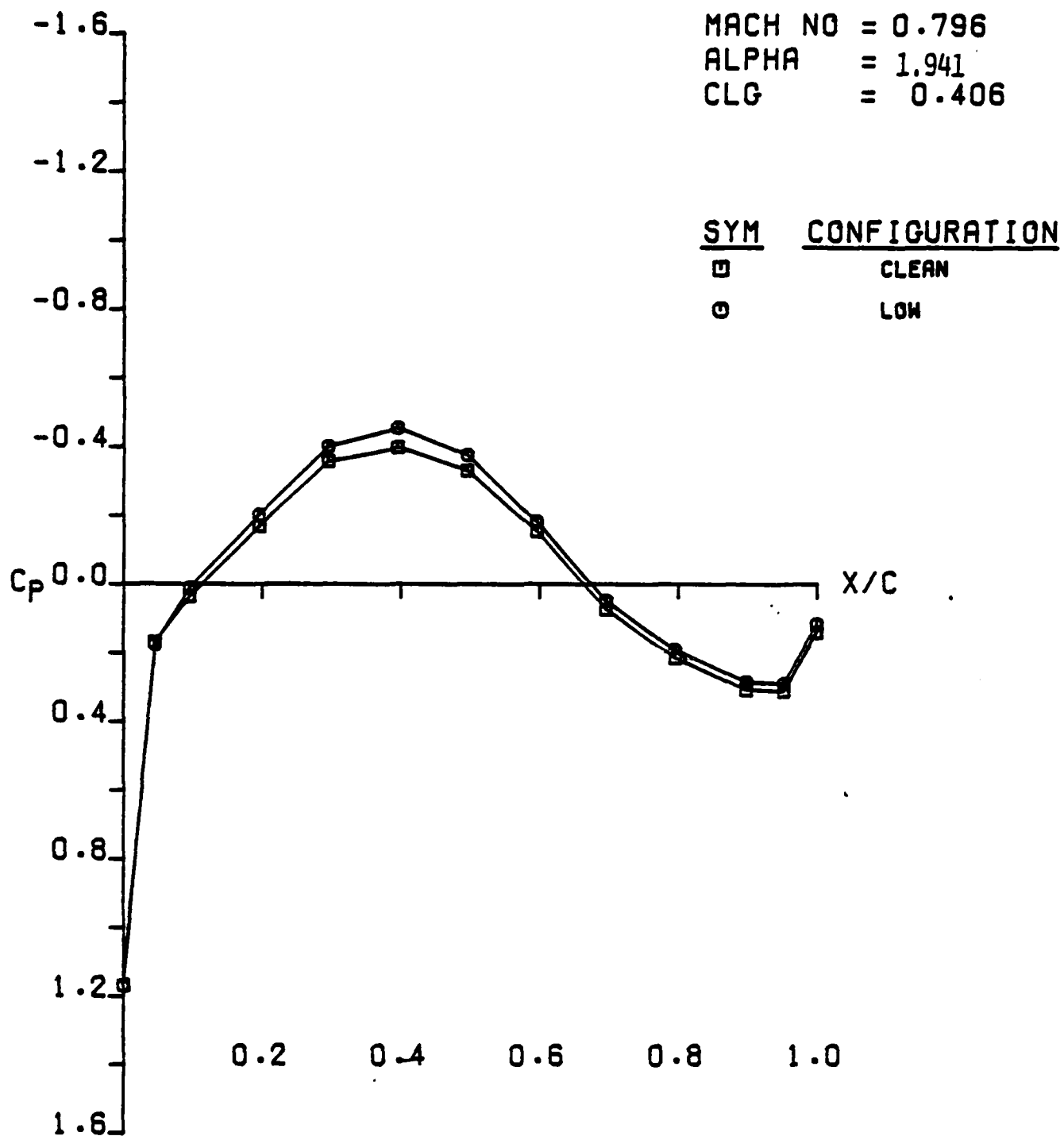
LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
CLN VS LOW (LWR SURF)
AFOSR SEMISPAN MODEL A



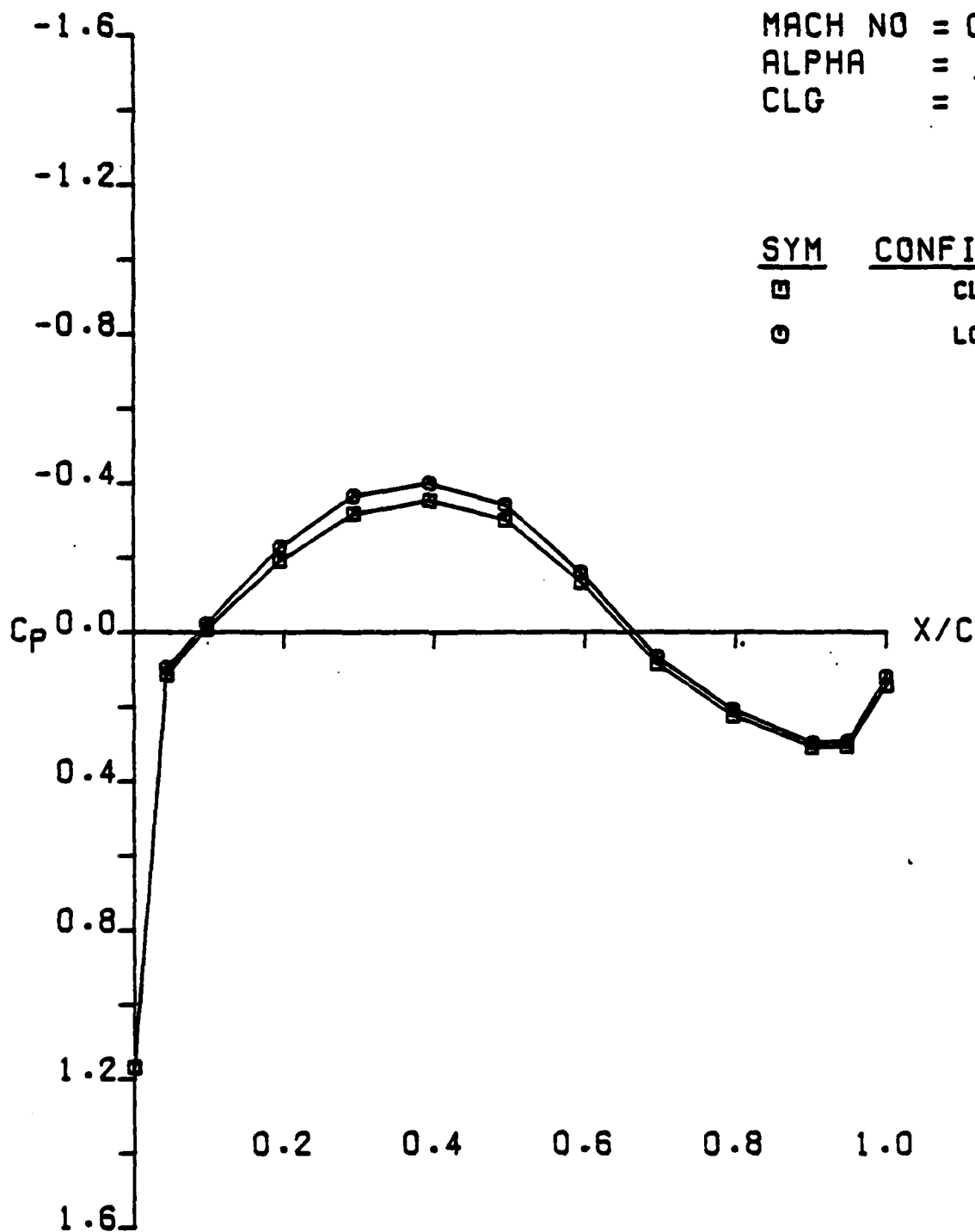
LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS LOW (LWR SURF ETA .15)
 AFOSR SEMISPAN MODEL A



LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS LOW (LWR SURF ETA .30)
 AFOSR SEMISPAN MODEL A



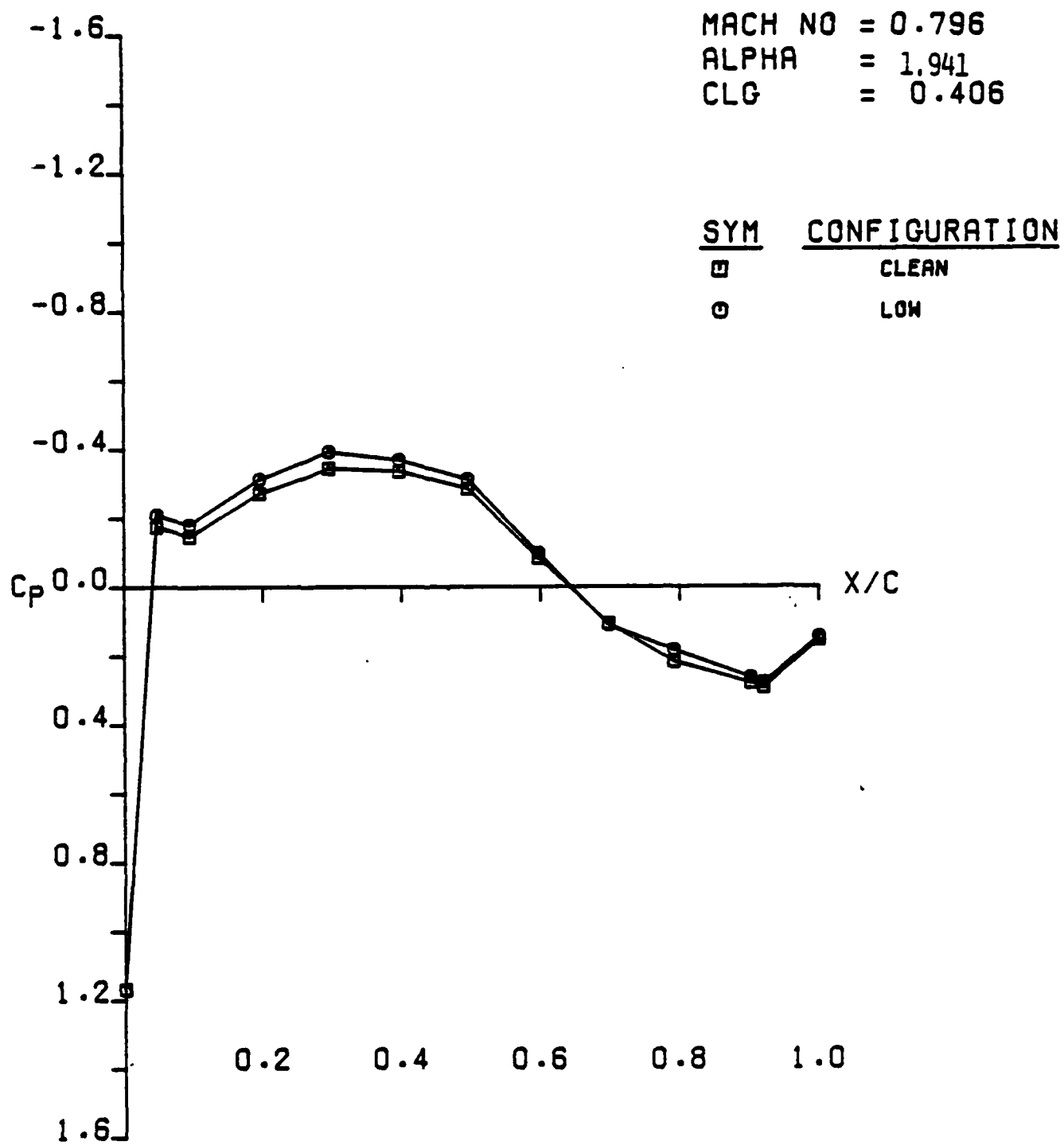
LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS LOW (LWR SURF ETA .50)
 AFOSR SEMISPAN MODEL A



MACH NO = 0.796
 ALPHA = 1.941
 CLG = 0.406

SYM	CONFIGURATION
□	CLEAN
○	LOW

LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS LOW (LWR SURF ETA .70)
 AFOSR SEMISPAN MODEL A



LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS LOW (LWR SURF ETA .95)
 AFOSR SEMISPAN MODEL A

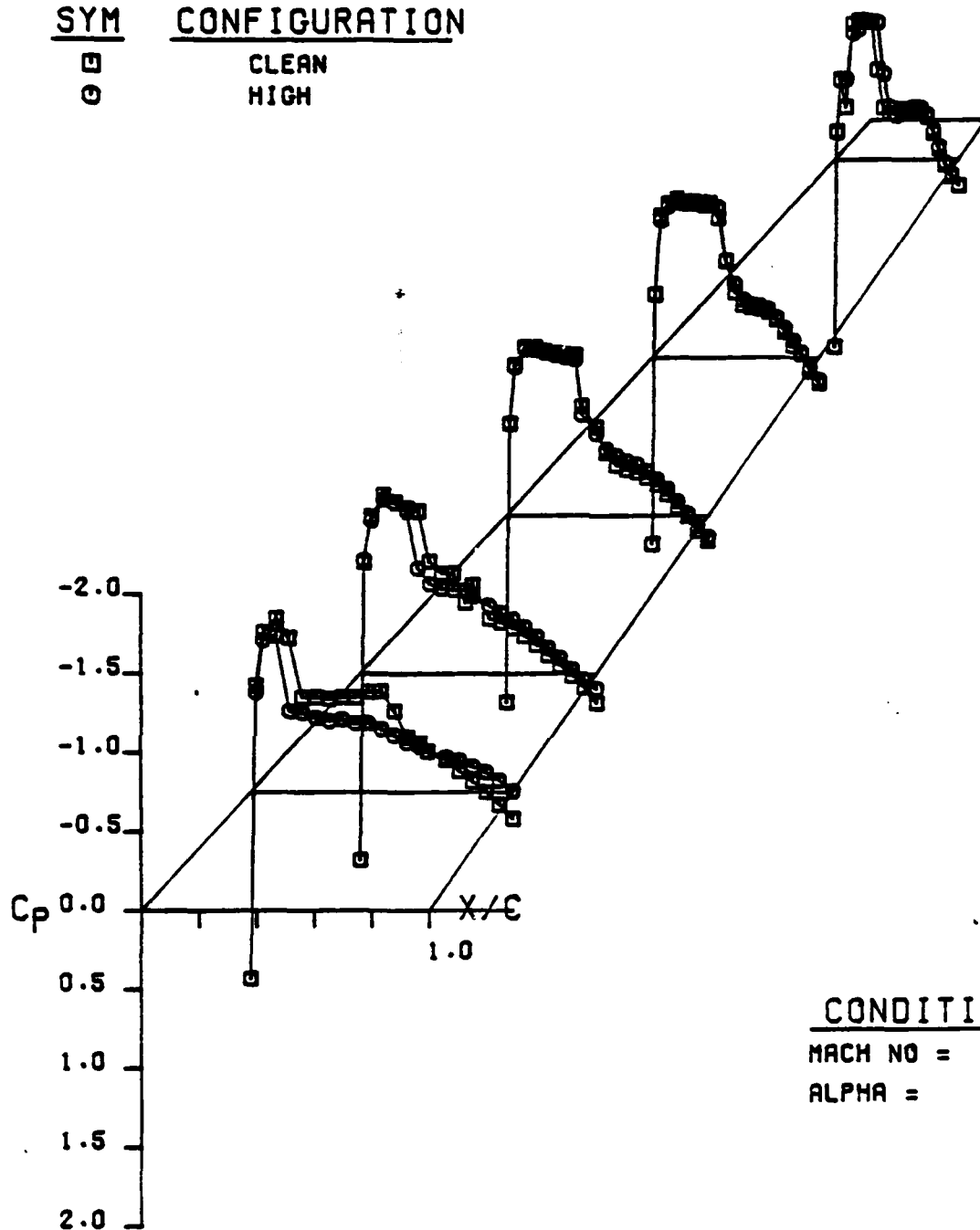
SYM CONFIGURATION

□

CLEAN

○

HIGH

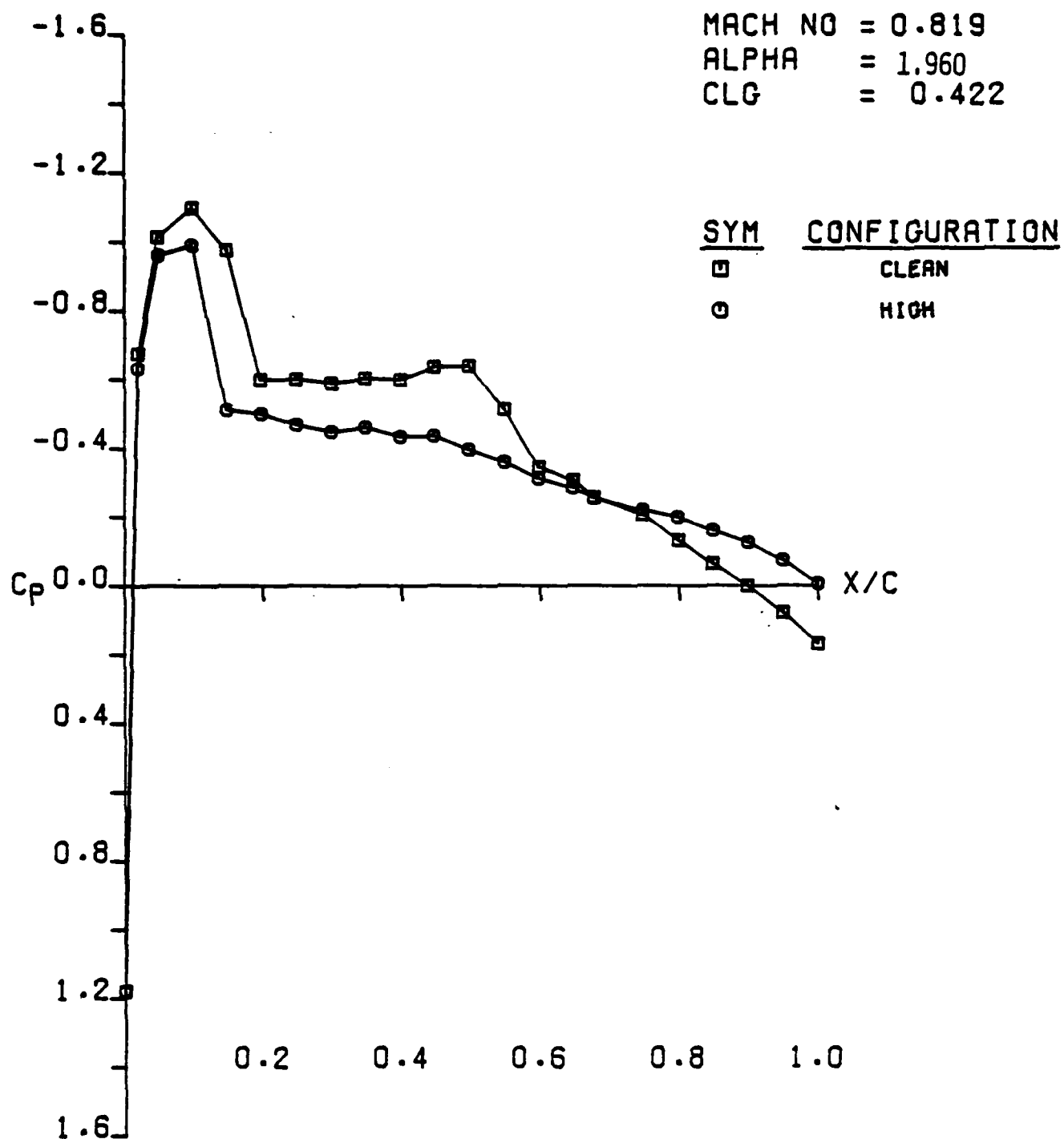


CONDITIONS

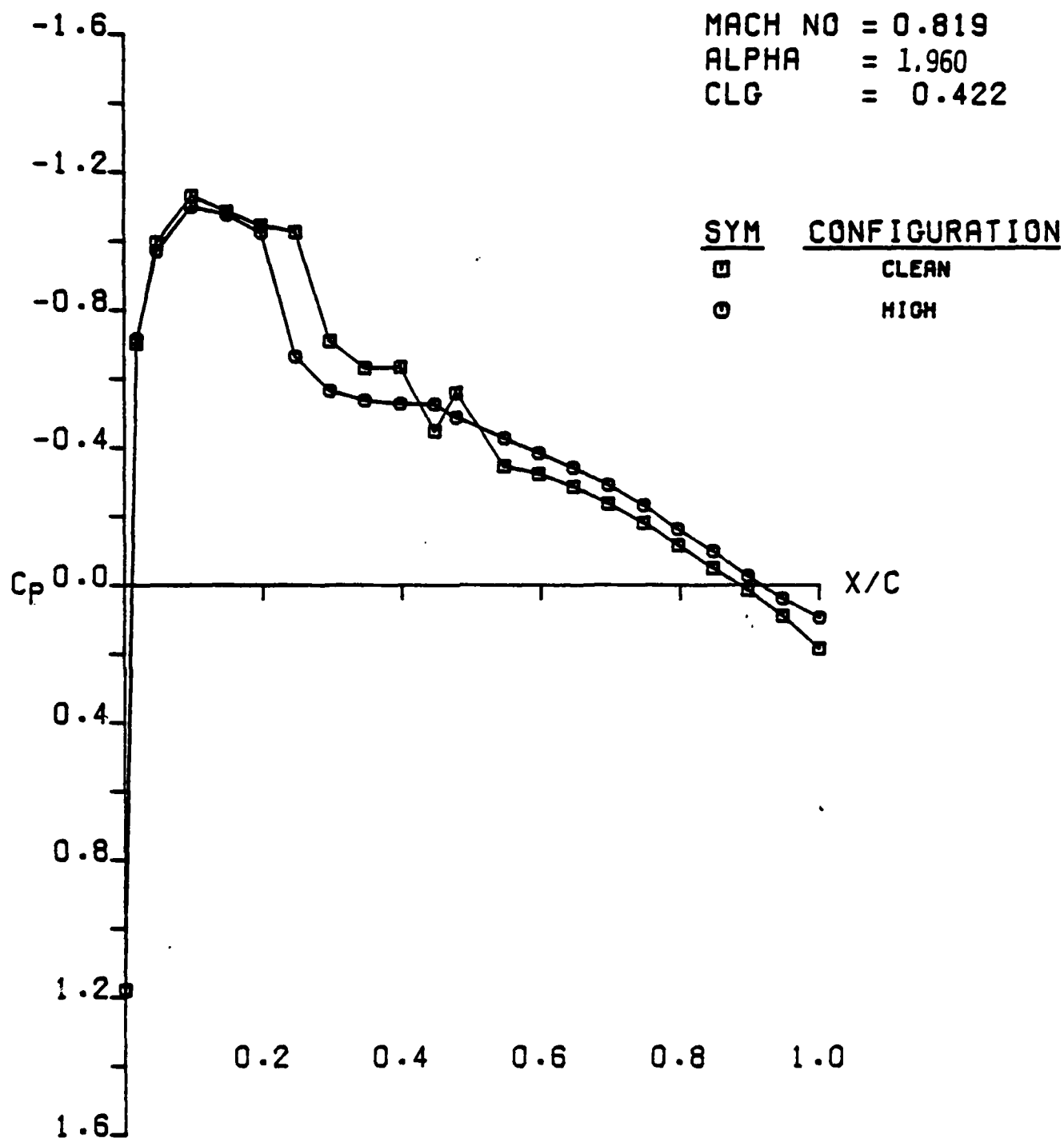
MACH NO = 0.819

ALPHA = 1.960

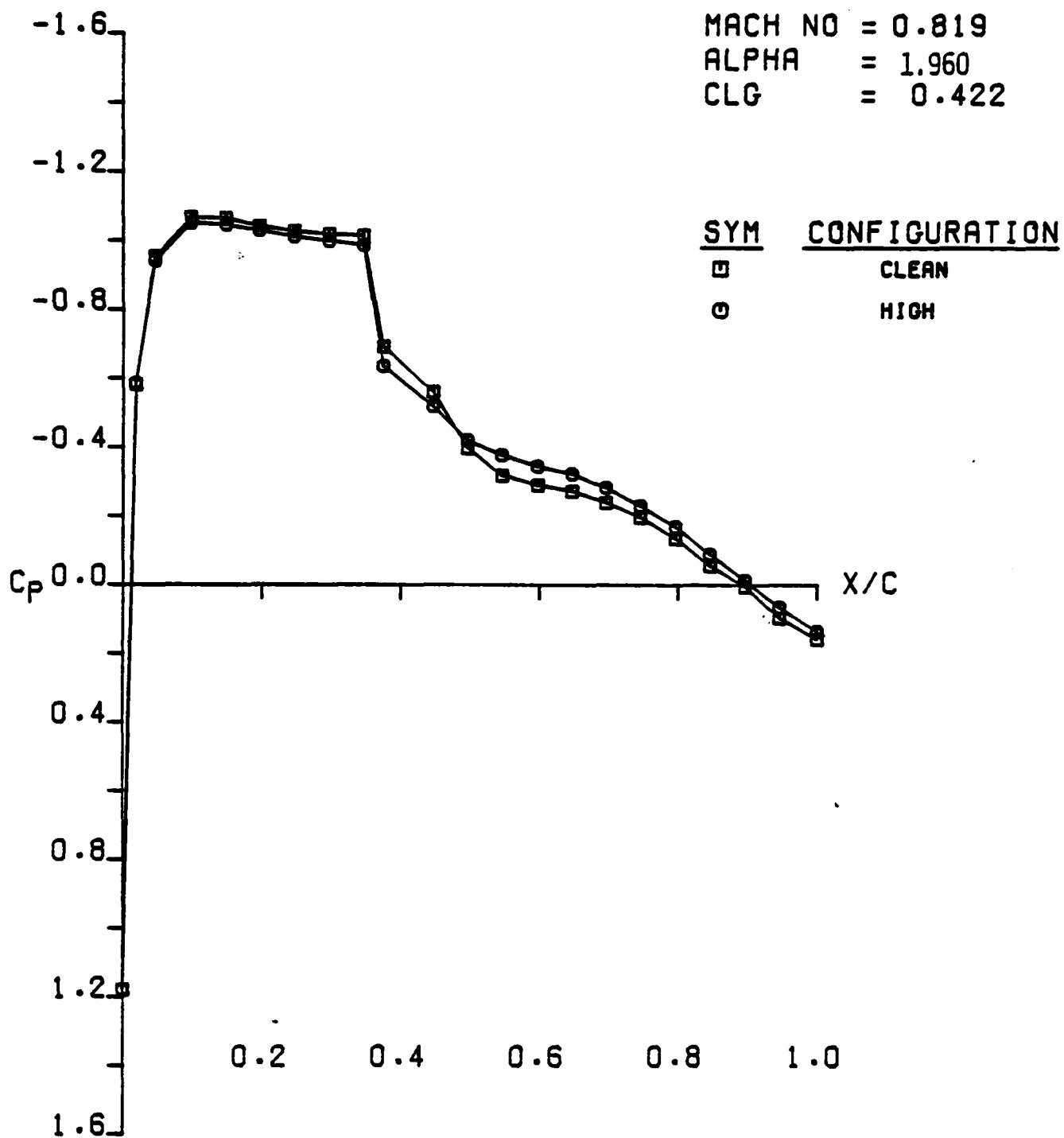
LOCKHEED CFWT SEMI-SPAN TEST. RUN 34
 CLN VS HIGH (UPR SURF)
 AFOSR SEMISPAN MODEL A



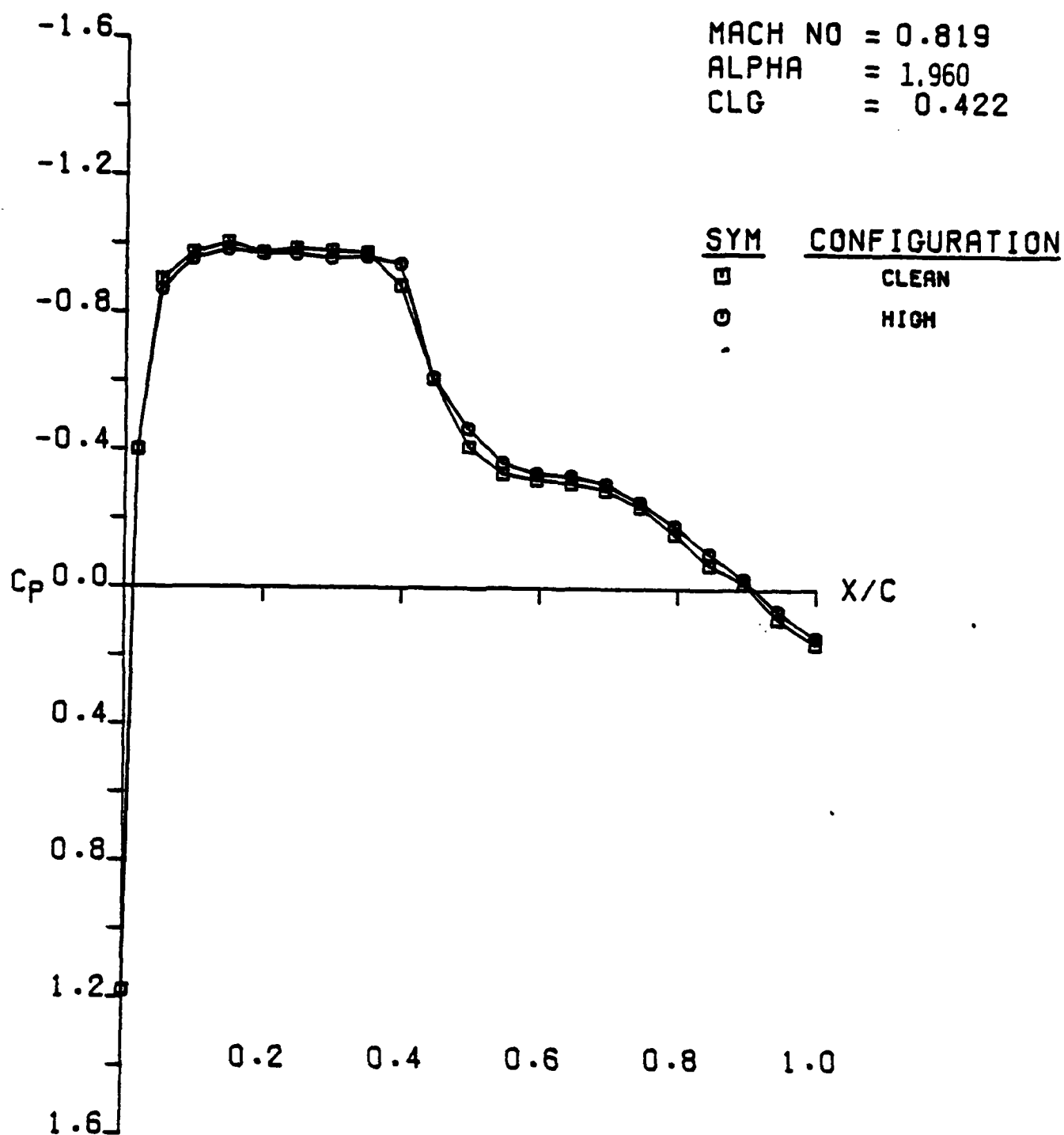
LOCKHEED CFWT SEMI-SPAN TEST, RUN 34
CLN VS HIGH (UPR SURF ETA .15)
AFOSR SEMISPAN MODEL A



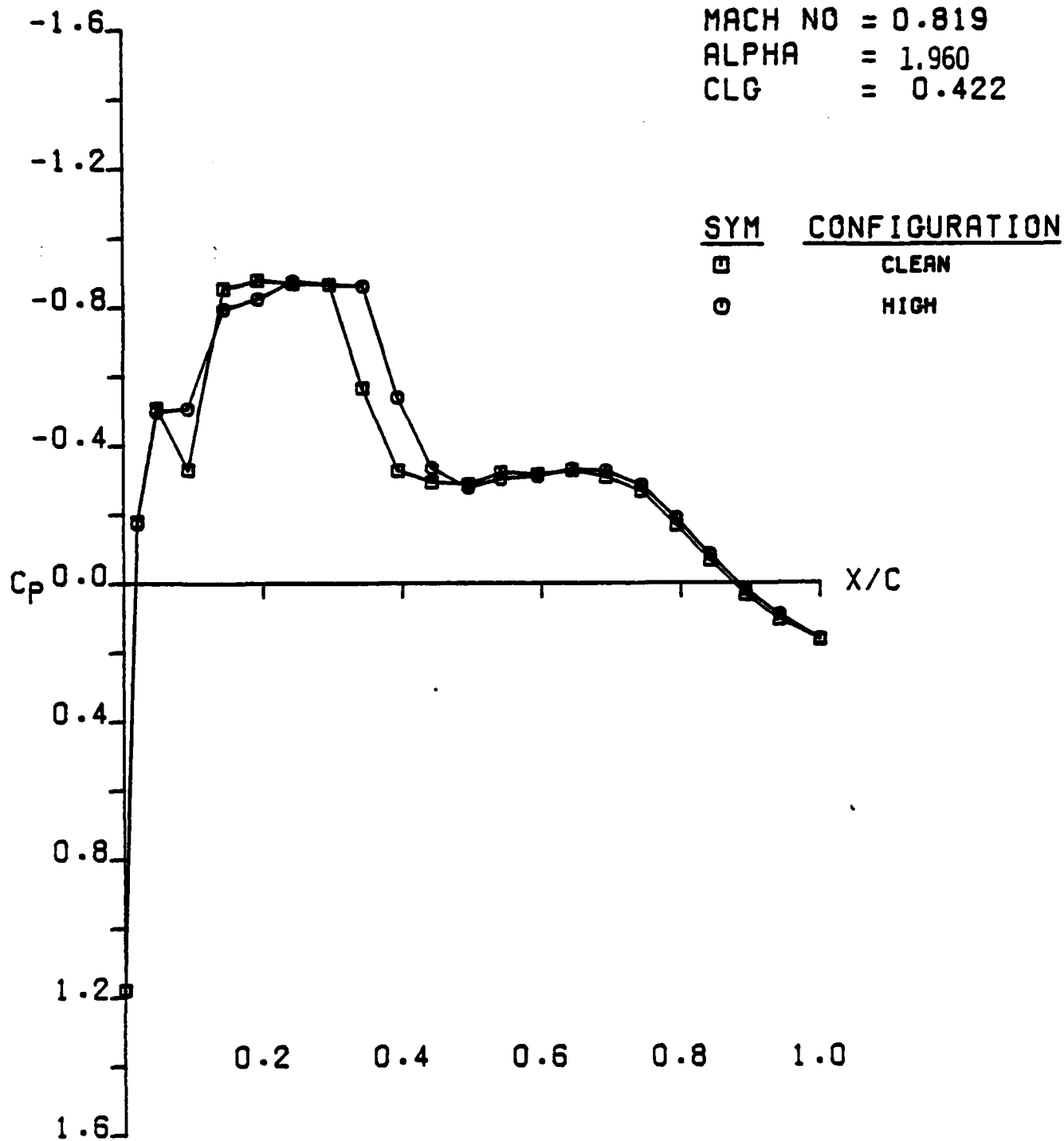
LOCKHEED CFWT SEMI-SPAN TEST, RUN 34
 CLN VS HIGH (UPR SURF ETA .30)
 AFOSR SEMISPAN MODEL A



LOCKHEED CFWT SEMI-SPAN TEST, RUN 34
 CLN VS HIGH (UPR SURF ETA .50)
 AFOSR SEMISPAN MODEL A



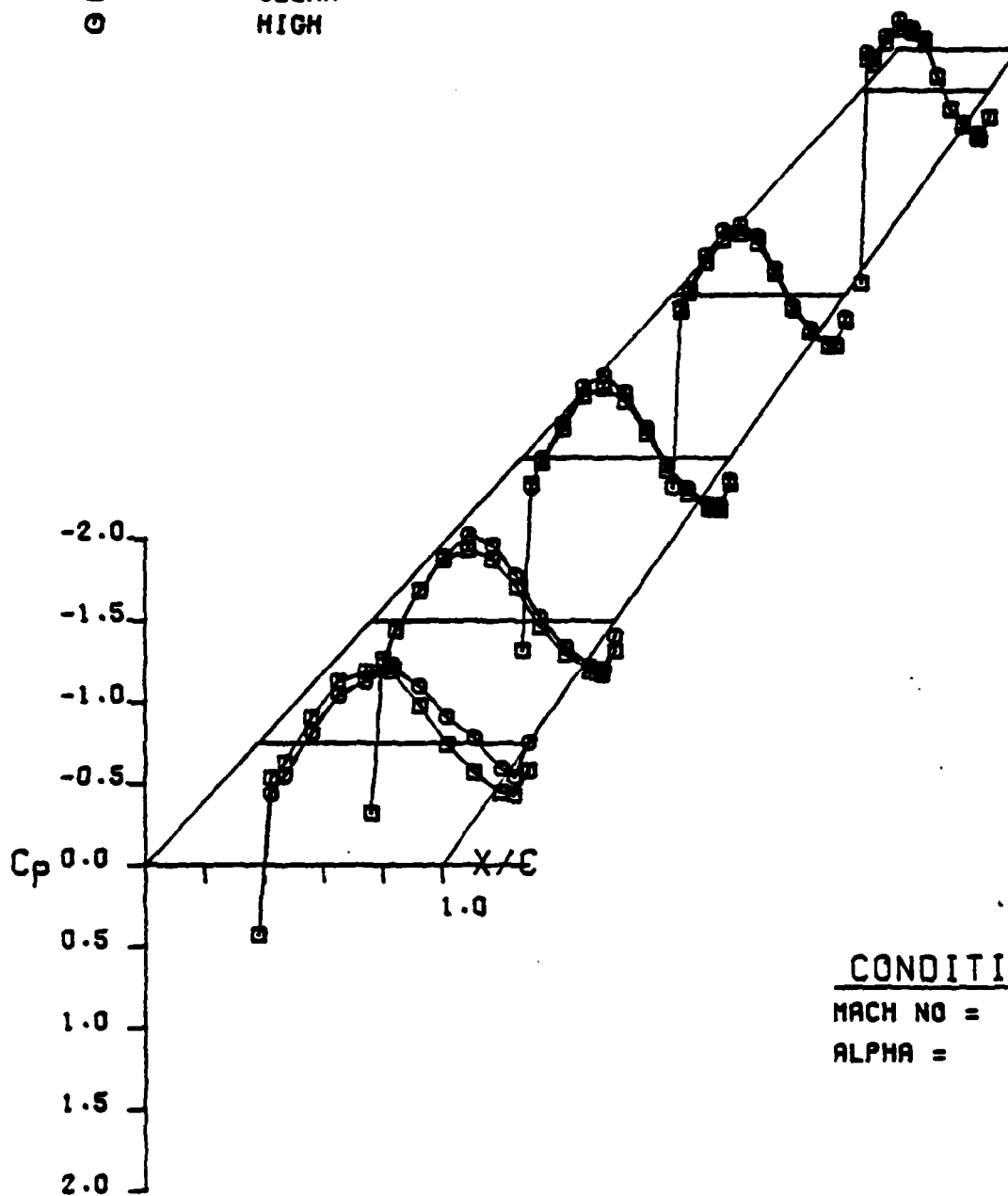
LOCKHEED CFWT SEMI-SPAN TEST, RUN 34
CLN VS HIGH (UPR SURF ETA .70)
AFOSR SEMISPAN MODEL A



LOCKHEED CFWT SEMI-SPAN TEST, RUN 34
 CLN VS HIGH (UPR SURF ETA .95)
 AFOSR SEMISPAN MODEL A

SYM CONFIGURATION

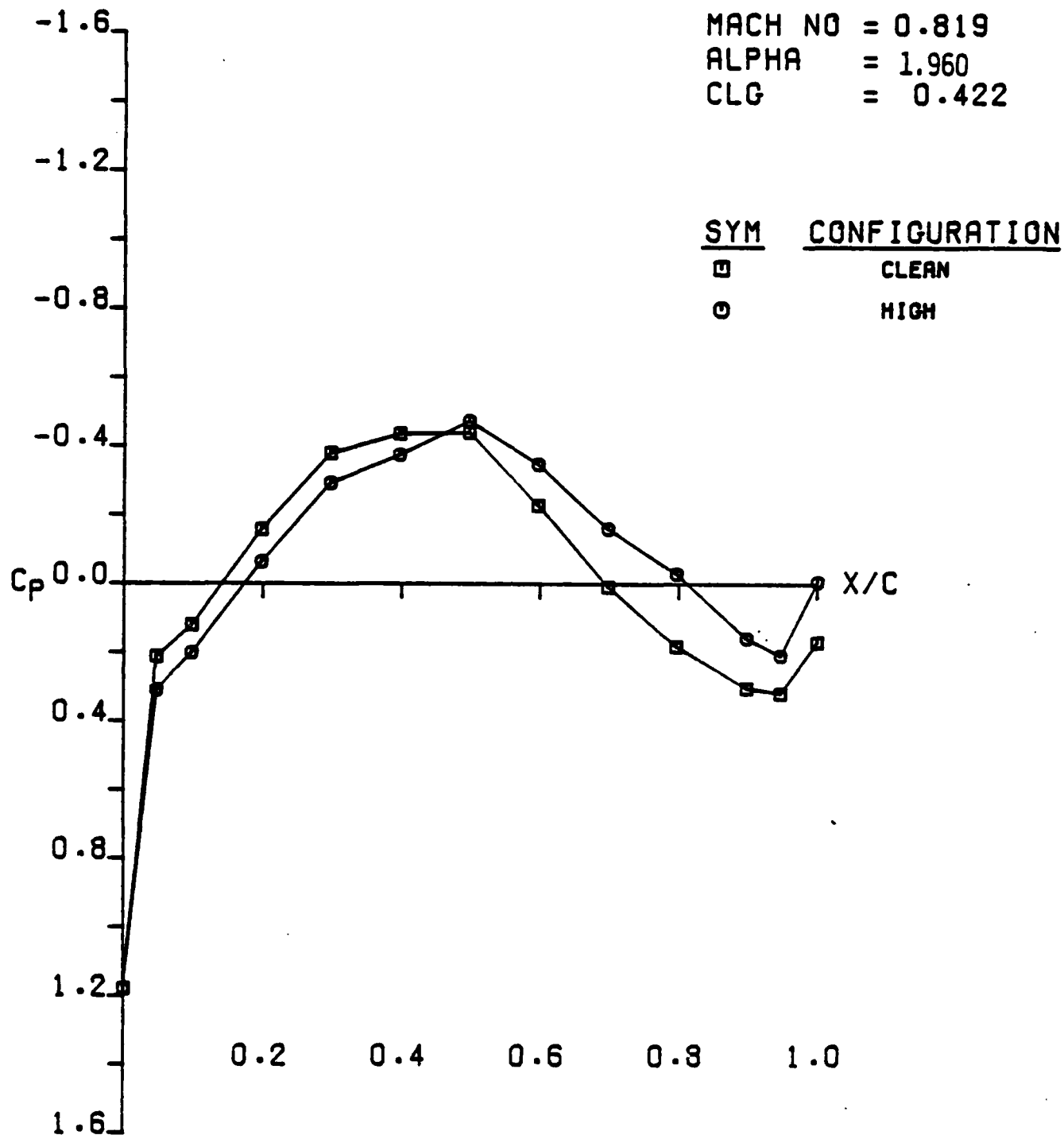
□ CLEAN
○ HIGH



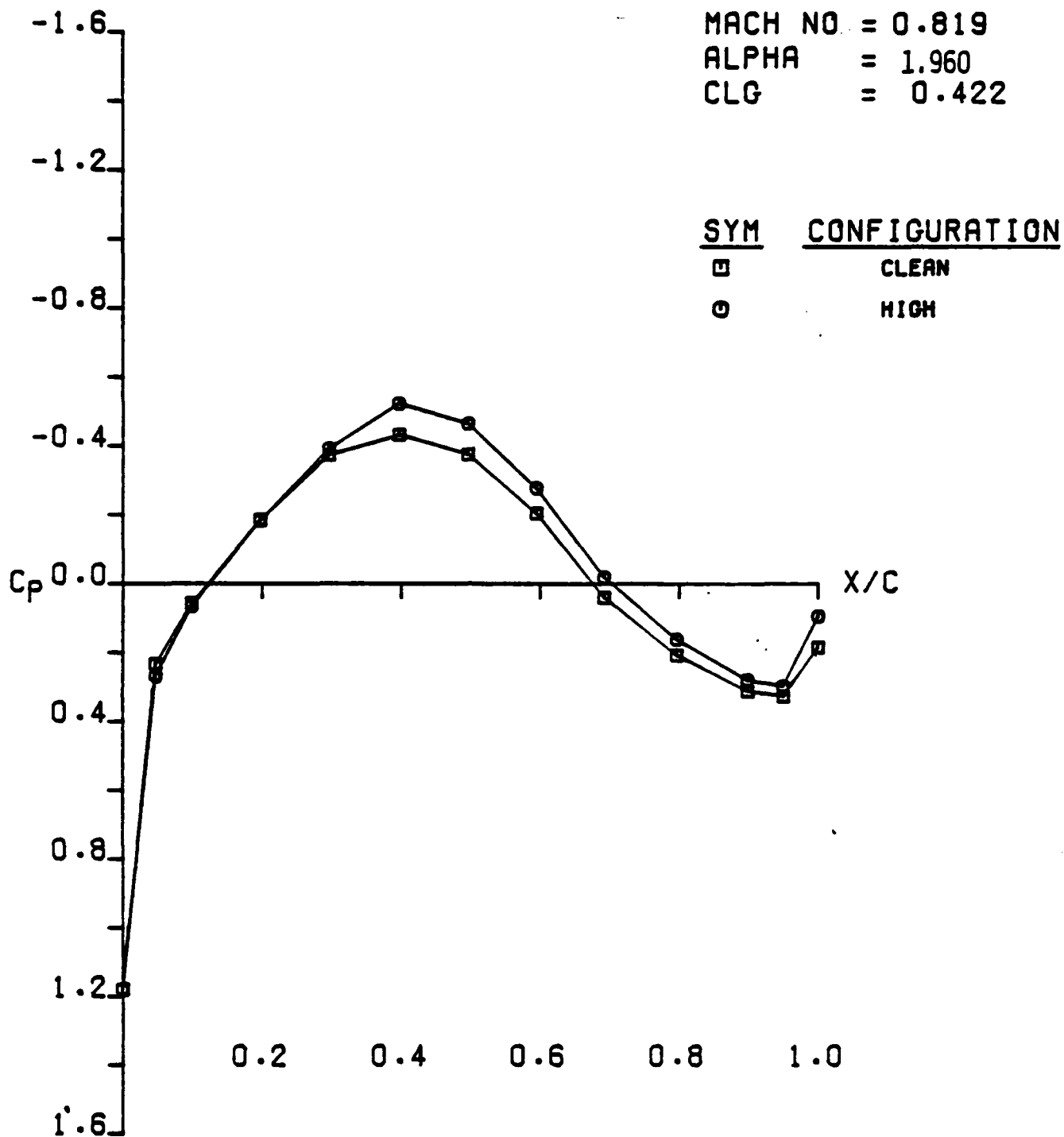
CONDITIONS

MACH NO = 0.819
ALPHA = 1.960

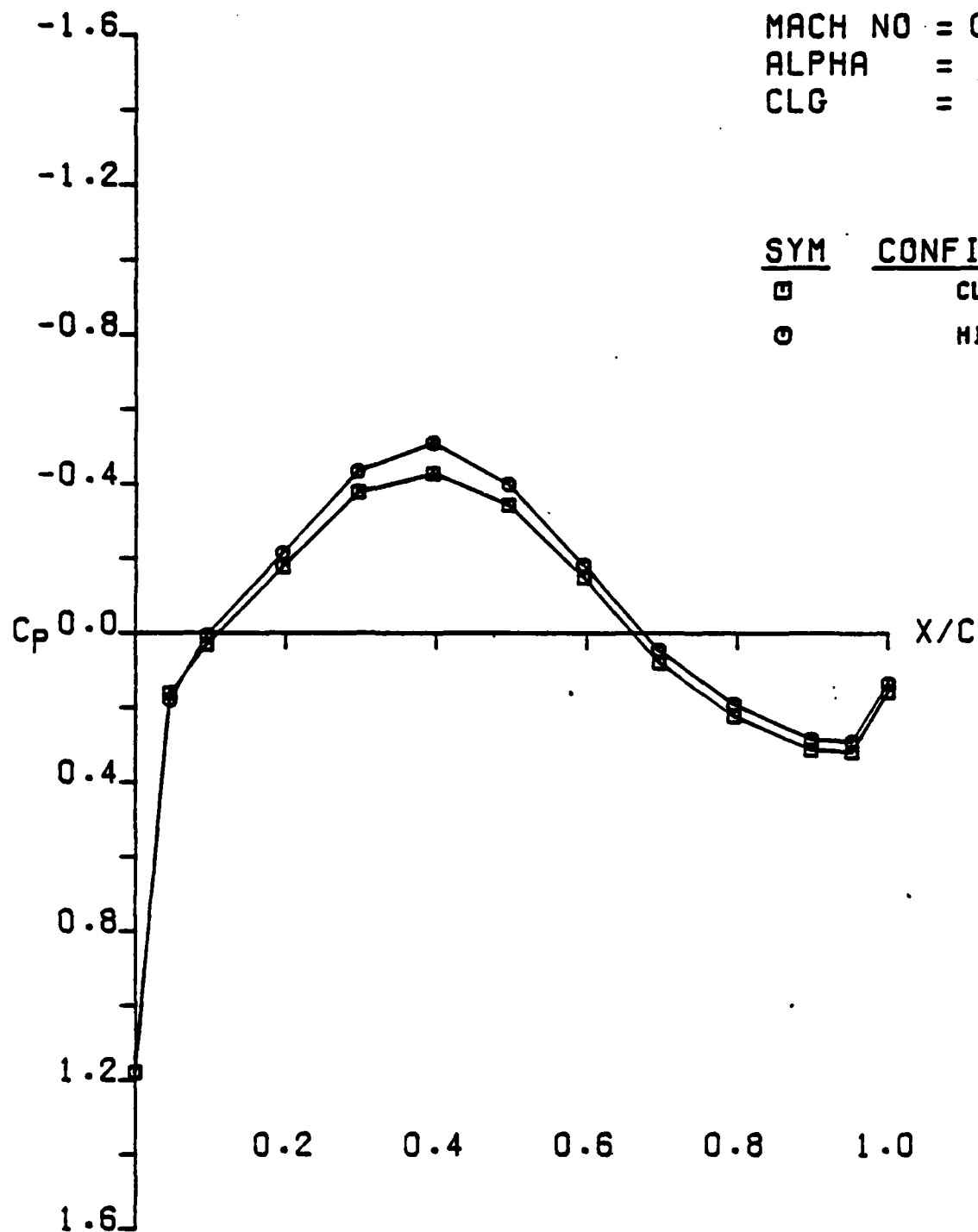
LOCKHEED CFWT SEMI-SPAN TEST, RUN 34
CLN VS HIGH (LWR SURF)
AFOSR SEMISPAN MODEL A



LOCKHEED CFWT SEMI-SPAN TEST. RUN 34
 CLN VS HIGH (LWR SURF ETA .15)
 AFOSR SEMISPAN MODEL A



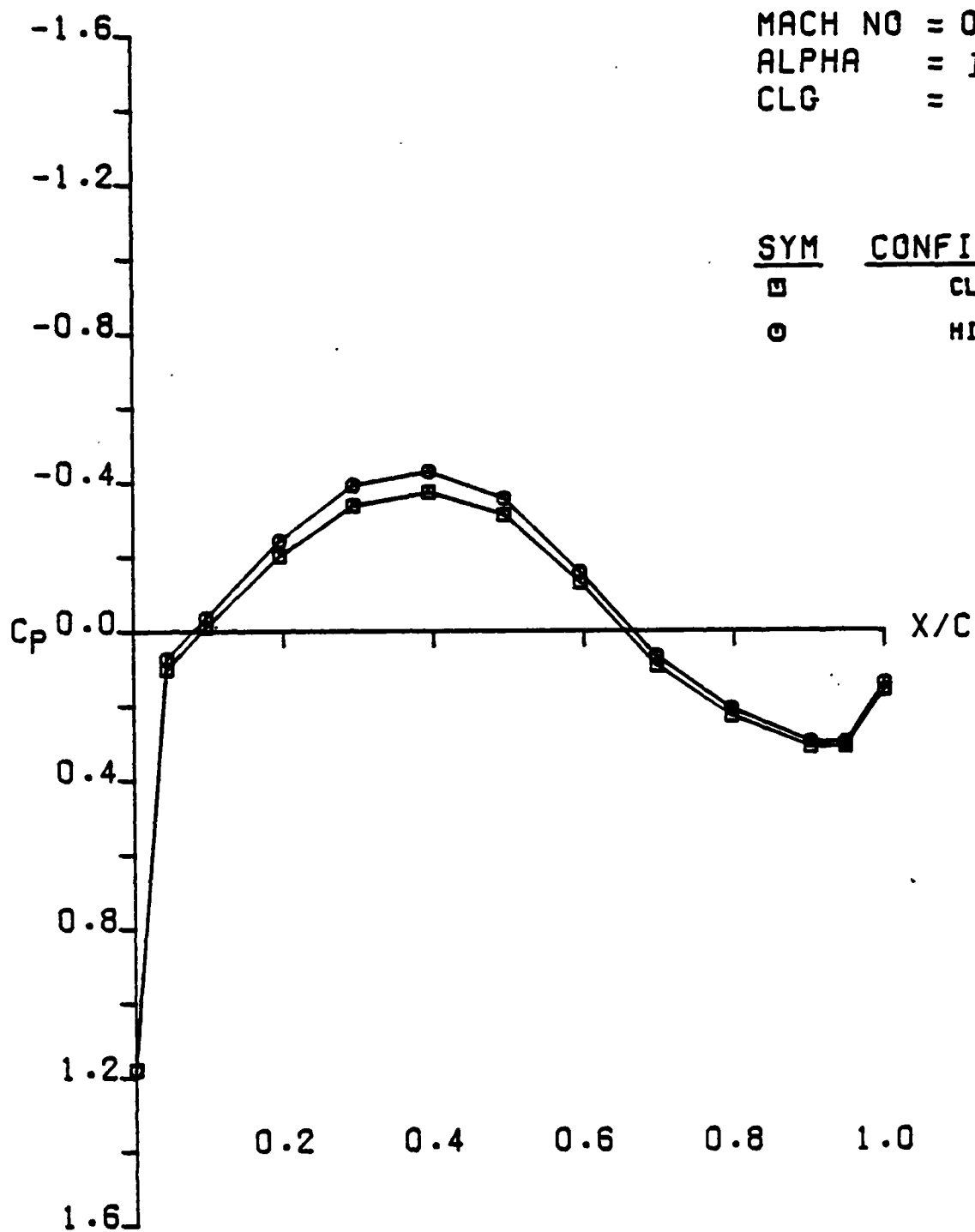
LOCKHEED CFWT SEMI-SPAN TEST, RUN 34
 CLN VS HIGH (LWR SURF ETA .30)
 AFOSR SEMISPAN MODEL A



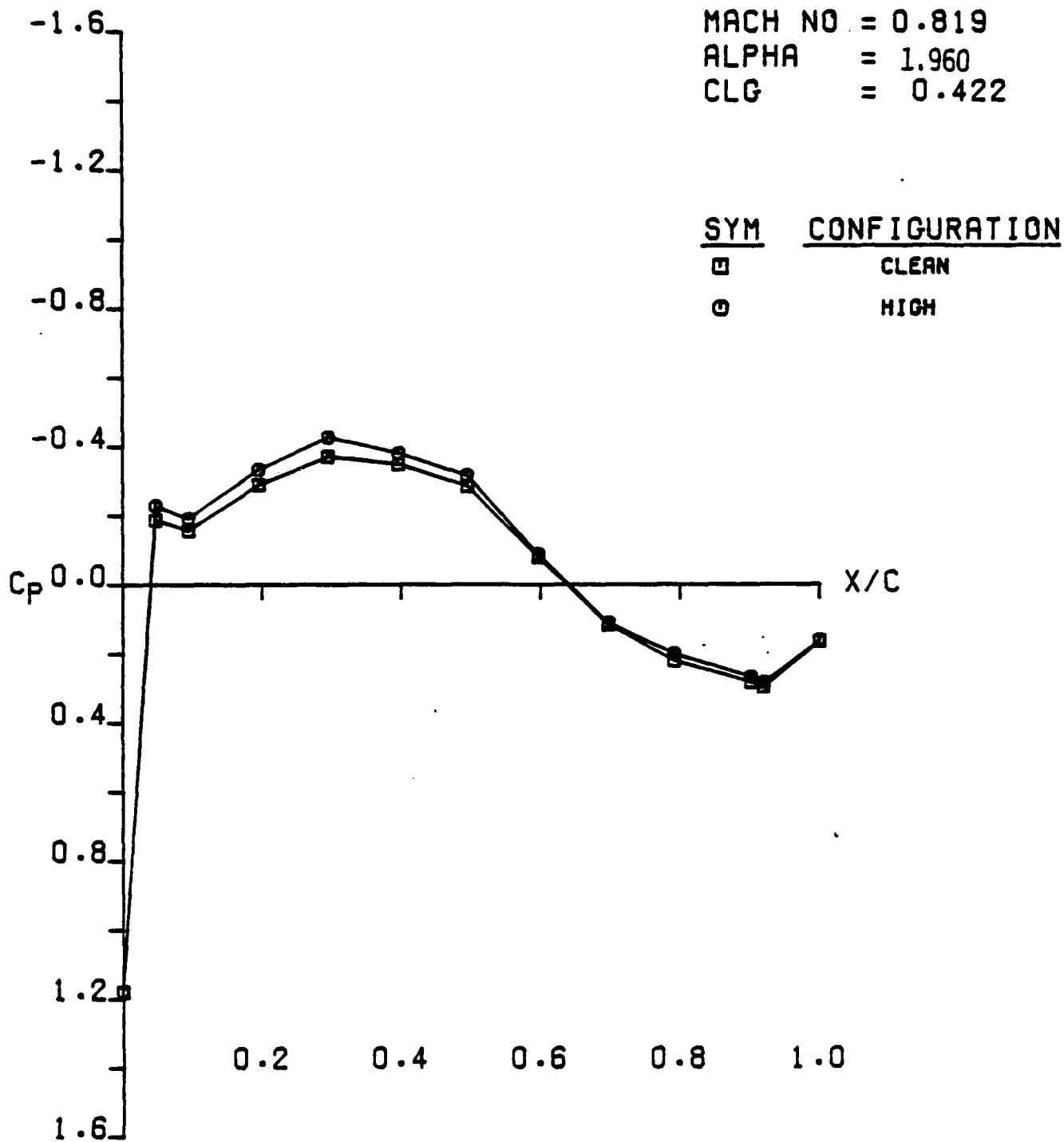
MACH NO = 0.819
 ALPHA = 1.960
 CLG = 0.422

SYM	CONFIGURATION
□	CLEAN
○	HIGH

LOCKHEED CFWT SEMI-SPAN TEST, RUN 34
 CLN VS HIGH (LWR SURF ETA .50)
 AFOSR SEMISPAN MODEL A



LOCKHEED CFWT SEMI-SPAN TEST, RUN 34
 CLN VS HIGH (LWR SURF ETA .70)
 AFOSR SEMISPAN MODEL A

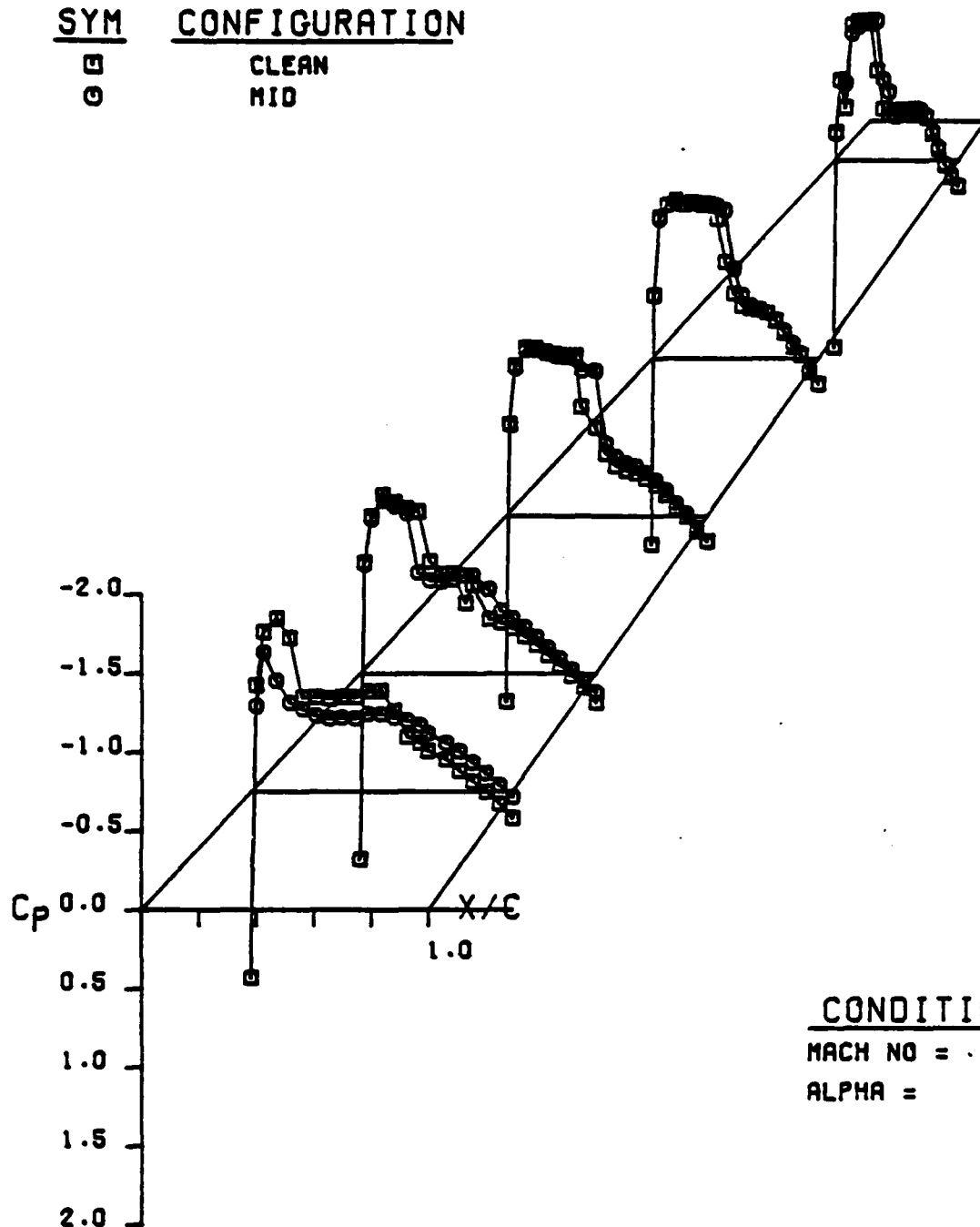


LOCKHEED CFWT SEMI-SPAN TEST, RUN 34
CLN VS HIGH (LWR SURF ETA .95)
AFOSR SEMISPAN MODEL A

SYM CONFIGURATION

□
○

CLEAN
MID

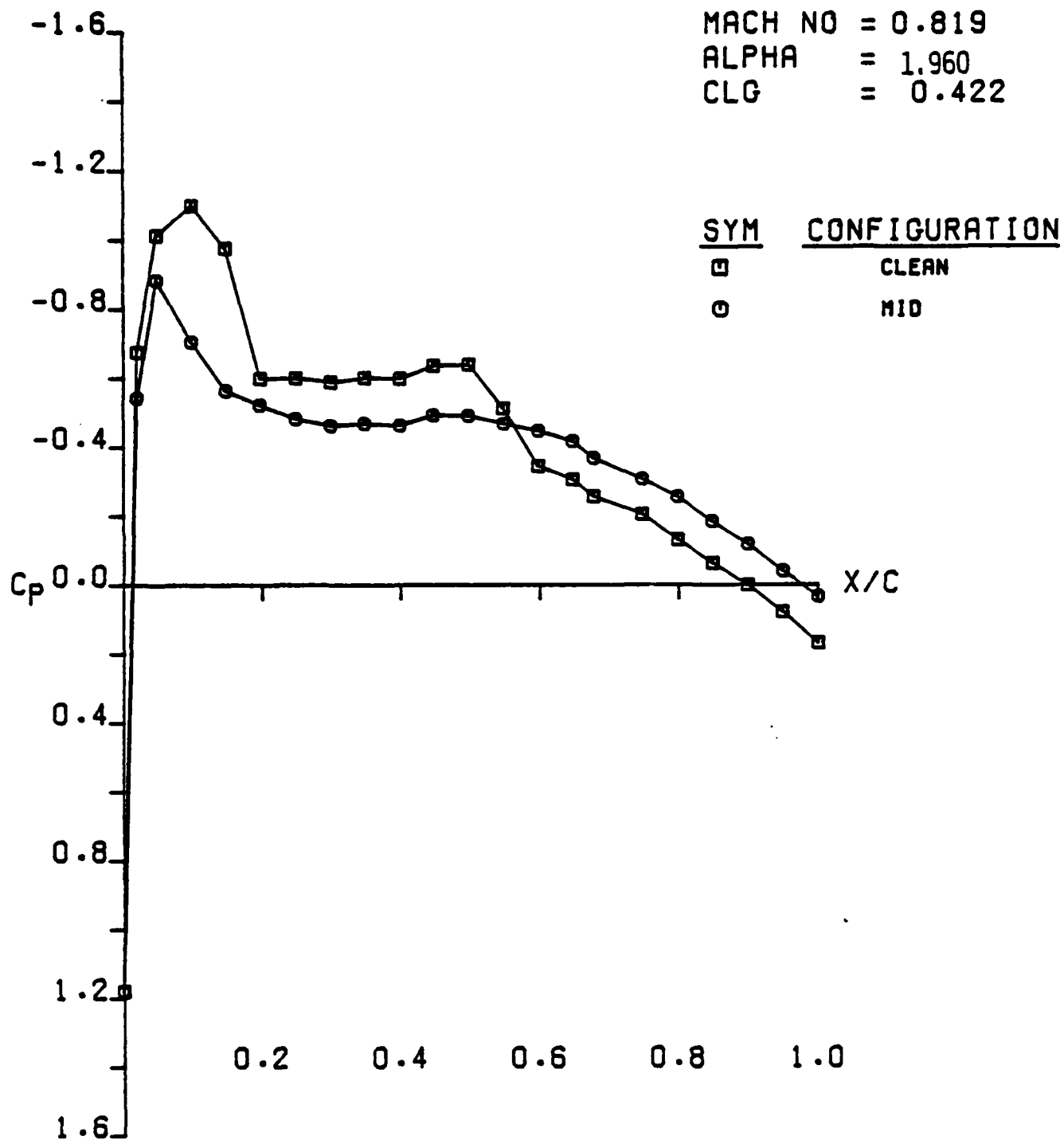


CONDITIONS

MACH NO = 0.819

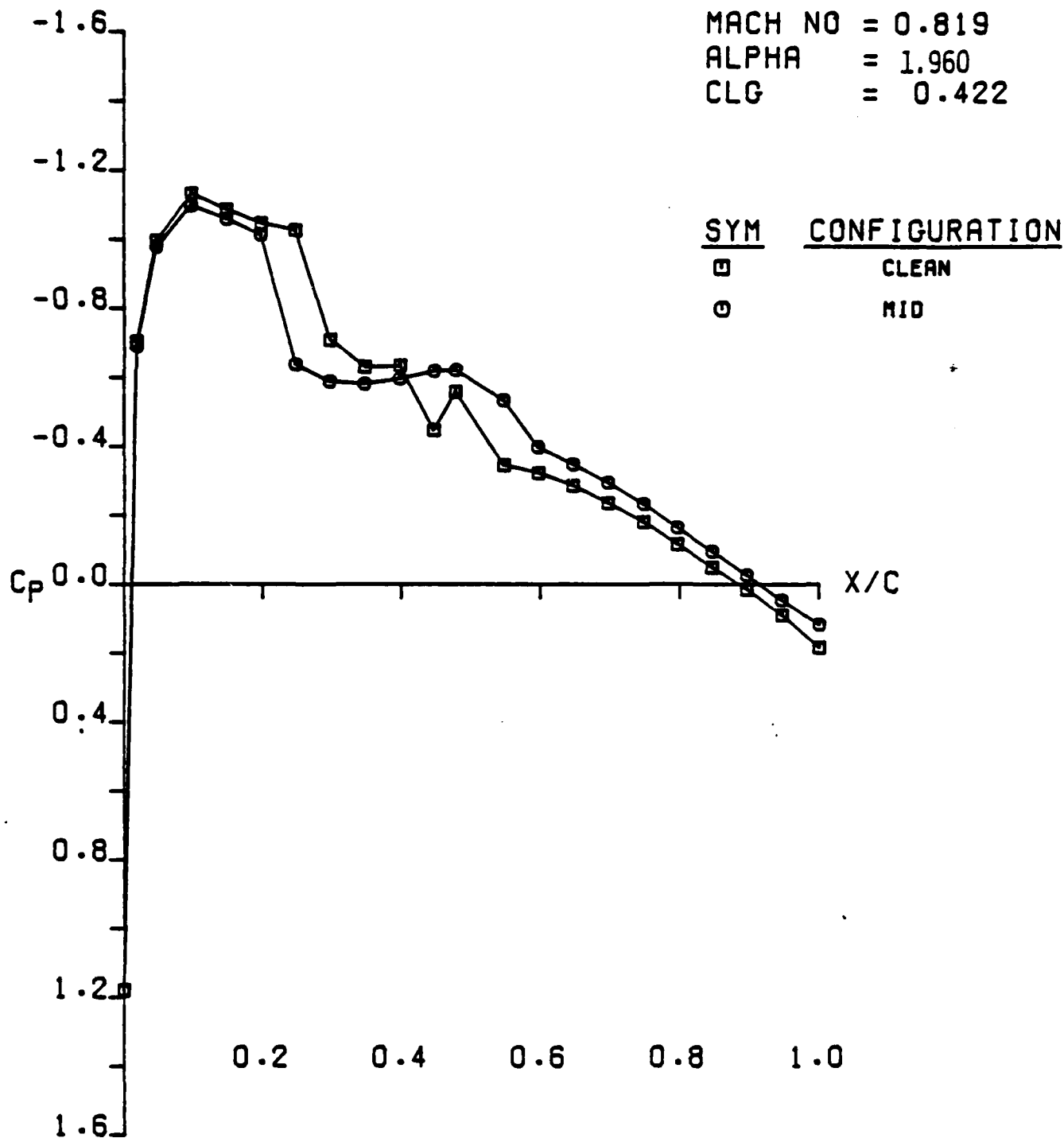
ALPHA = 1.960

LOCKHEED CFWT SEMI-SPAN TEST, RUN 34
CLN VS MID (UPR SURF)
AFOSR SEMISPAN MODEL A



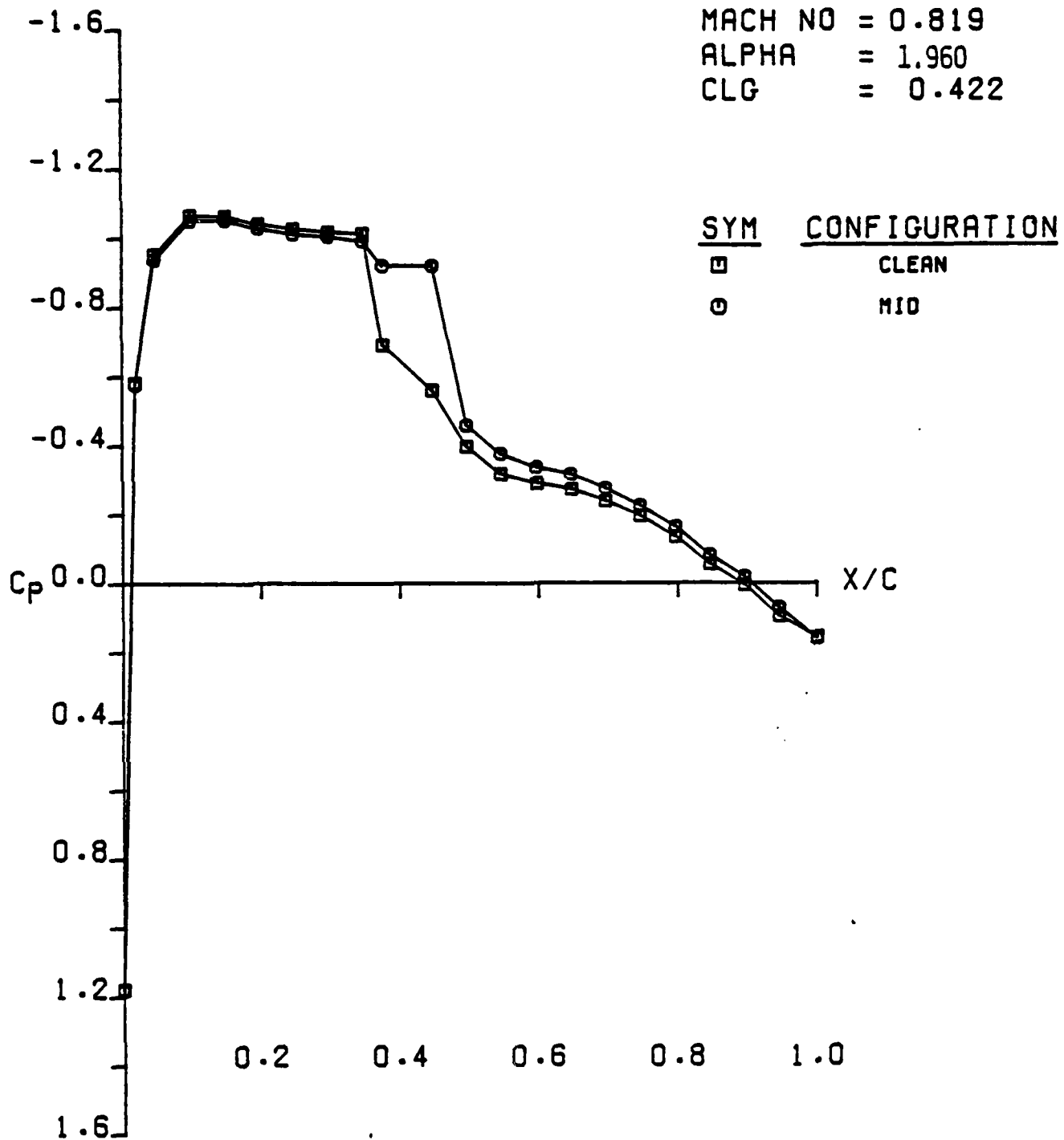
LOCKHEED CFWT SEMI-SPAN TEST, RUN 34
 CLN VS MID (UPR SURF ETA .15)
 AFOSR SEMISPAN MODEL A

MACH NO = 0.819
 ALPHA = 1.960
 CLG = 0.422



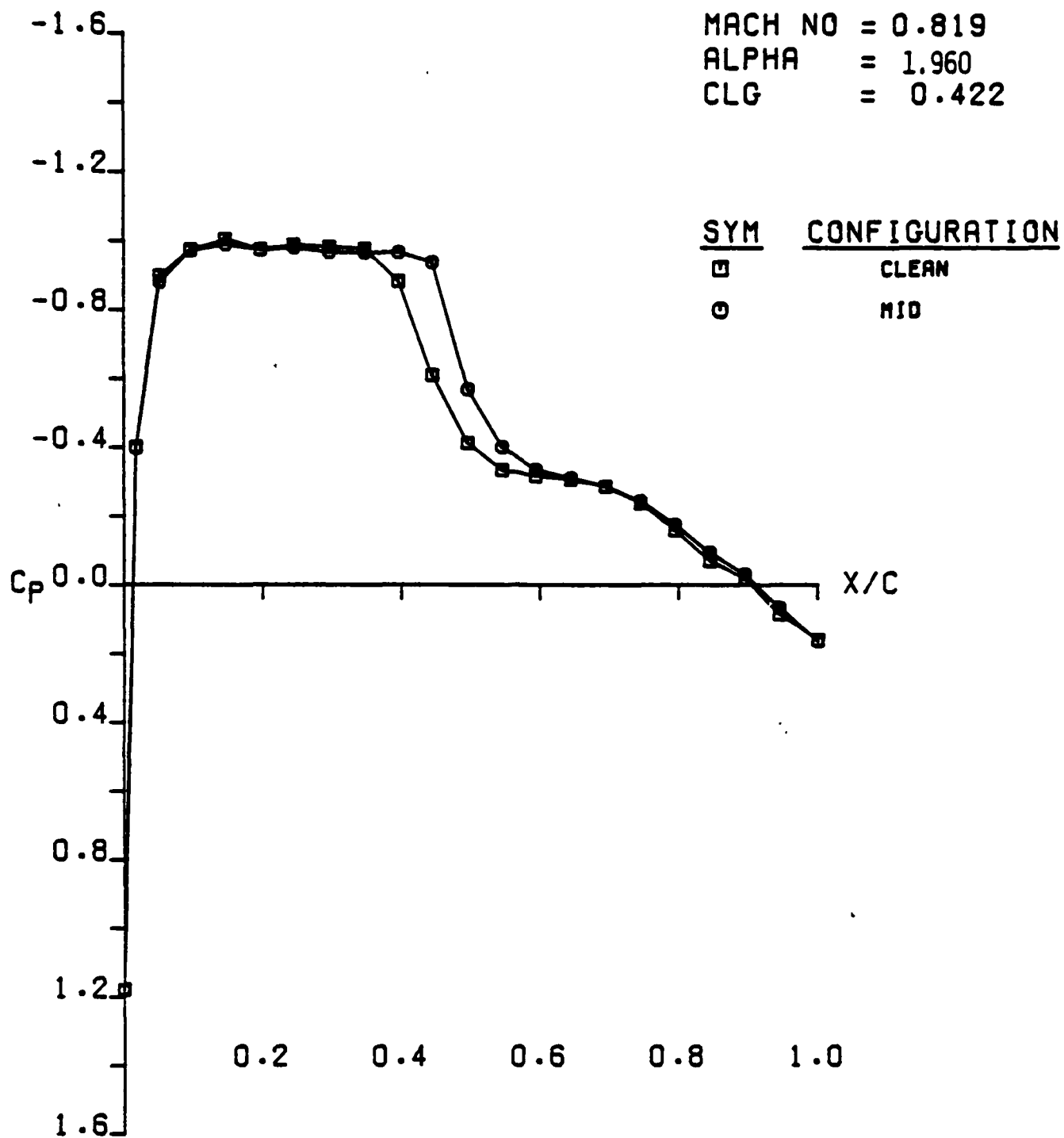
LOCKHEED CFWT SEMI-SPAN TEST, RUN 34
 CLN VS MID (UPR SURF ETA .30)
 AFOSR SEMISPAN MODEL A

MACH NO = 0.819
 ALPHA = 1.960
 CLG = 0.422



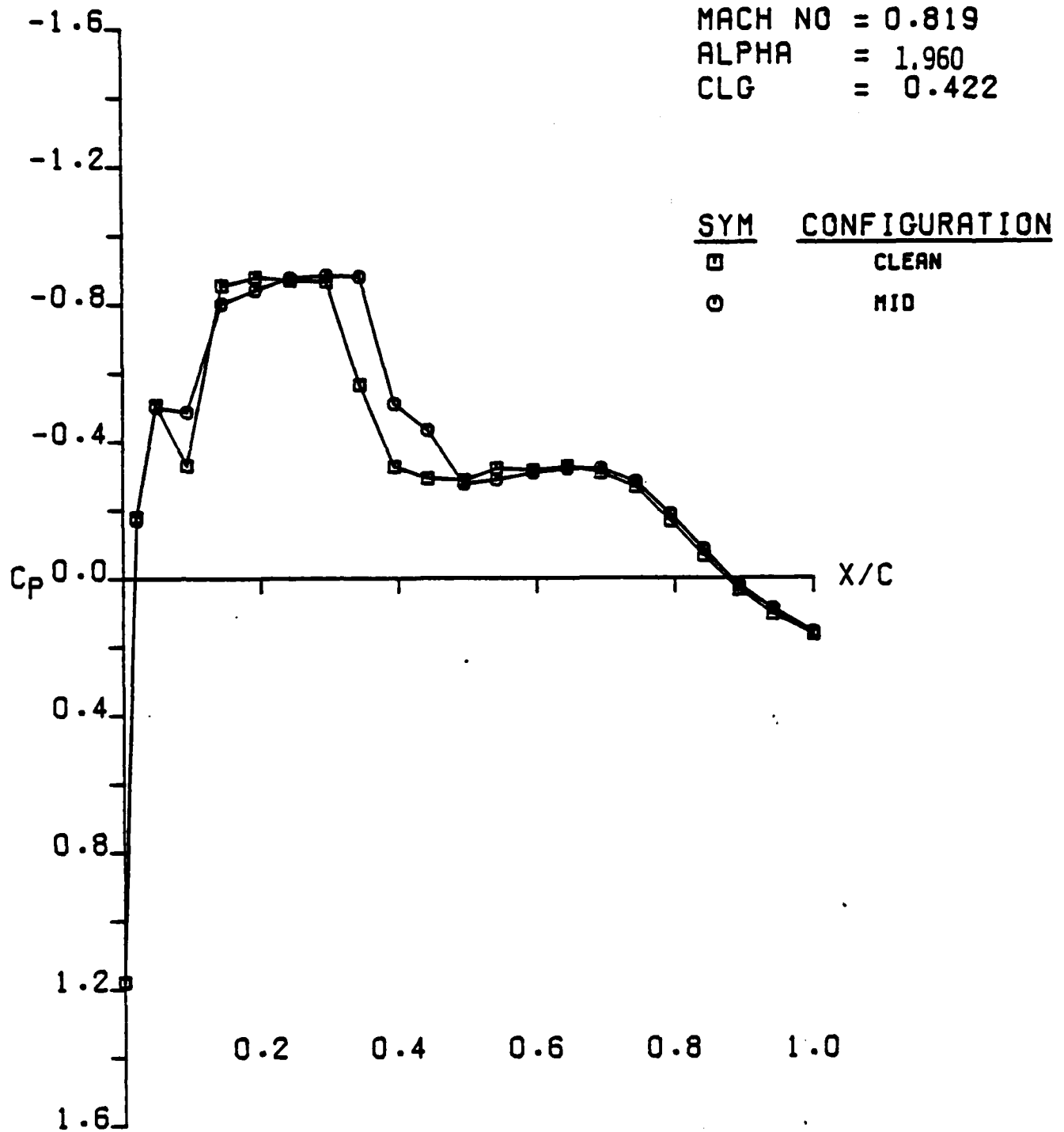
LOCKHEED CFWT SEMI-SPAN TEST, RUN 34
 CLN VS MID (UPR SURF ETA .50)
 AFOSR SEMISPAN MODEL A

MACH NO = 0.819
 ALPHA = 1.960
 CLG = 0.422



LOCKHEED CFWT SEMI-SPAN TEST, RUN 34
 CLN VS MID (UPR SURF ETA .70)
 AFOSR SEMISPAN MODEL A

MACH NO = 0.819
 ALPHA = 1.960
 CLG = 0.422

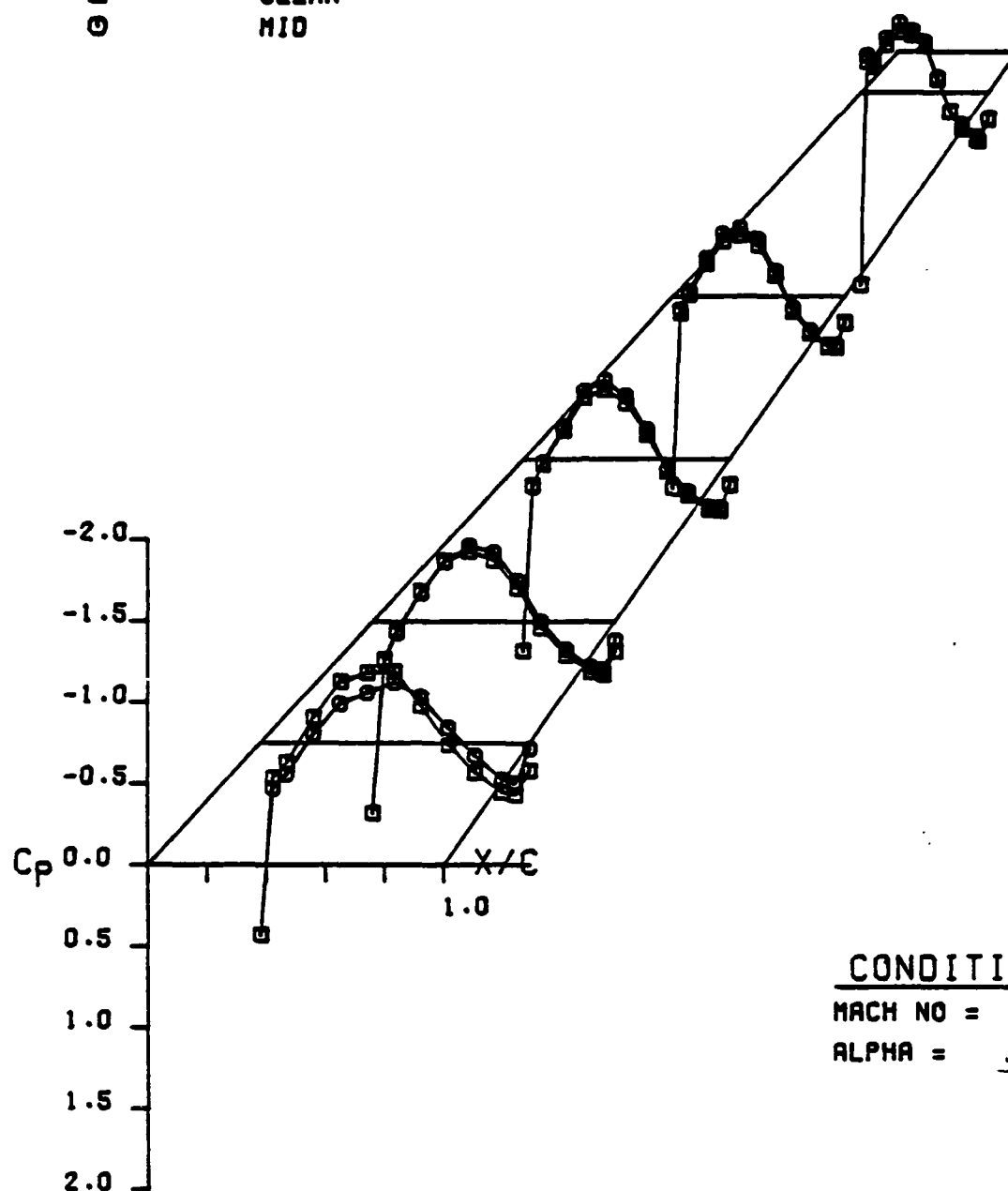


LOCKHEED CFWT SEMI-SPAN TEST, RUN 34
 CLN VS MID (UPR SURF ETA .95)
 AFOSR SEMISPAN MODEL A

SIM CONFIGURATION

□
○

CLEAN
MID



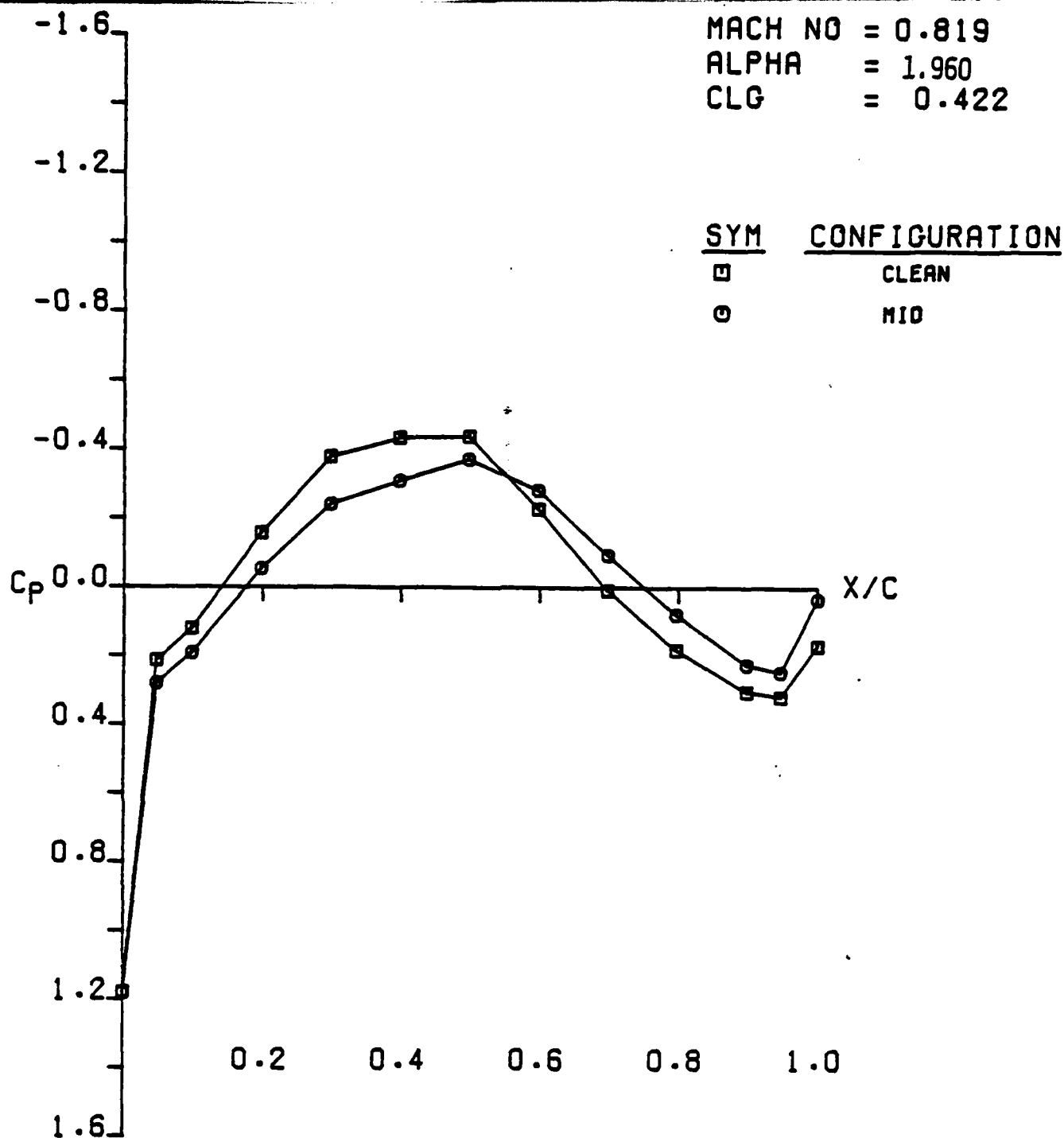
CONDITIONS

MACH NO = 0.819

ALPHA = .1.960

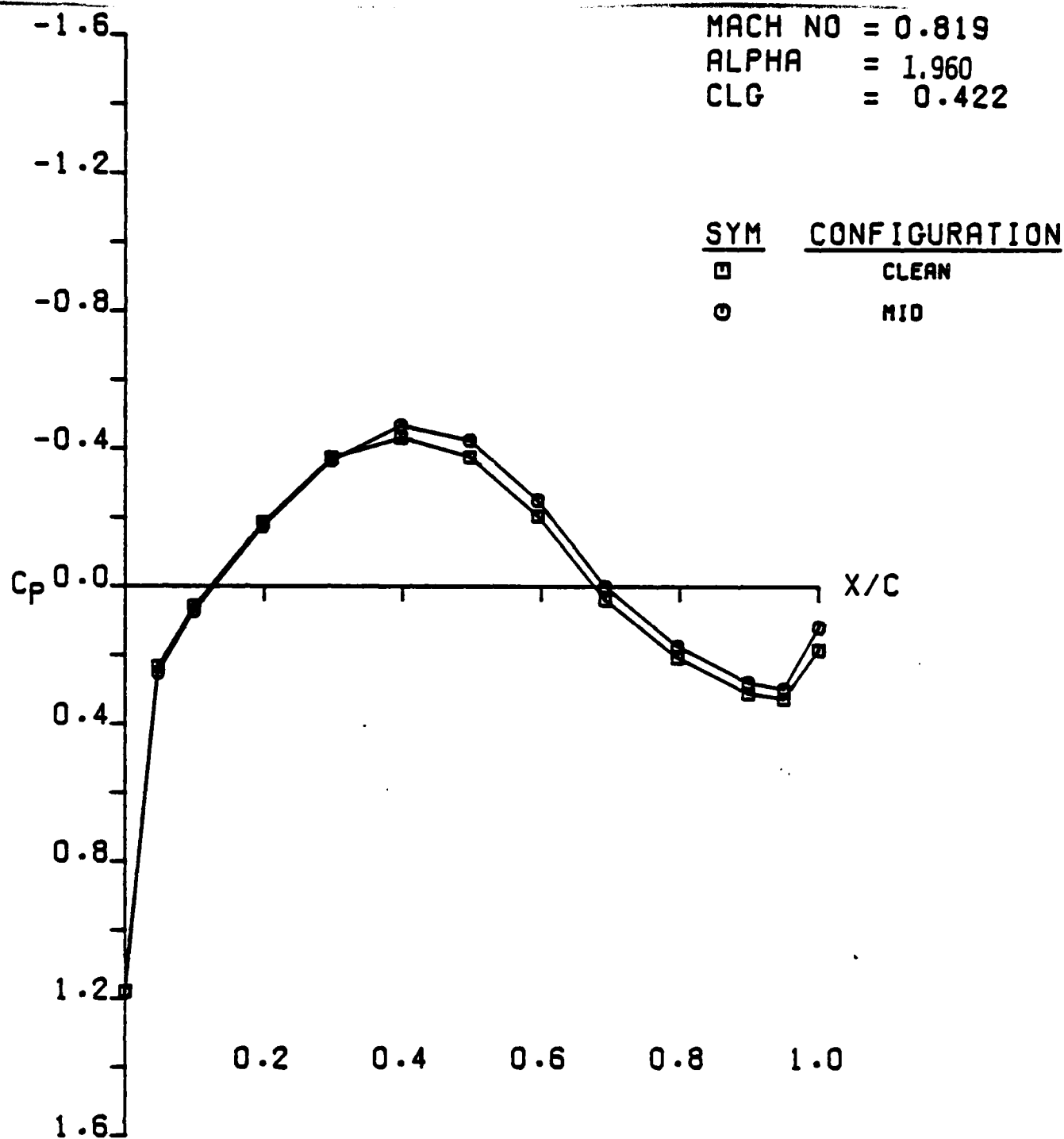
LOCKHEED CFWT SEMI-SPAN TEST, RUN 34
CLN VS MID (LWR SURF)
AFOSR SEMISPAN MODEL A

MACH NO = 0.819
 ALPHA = 1.960
 CLG = 0.422



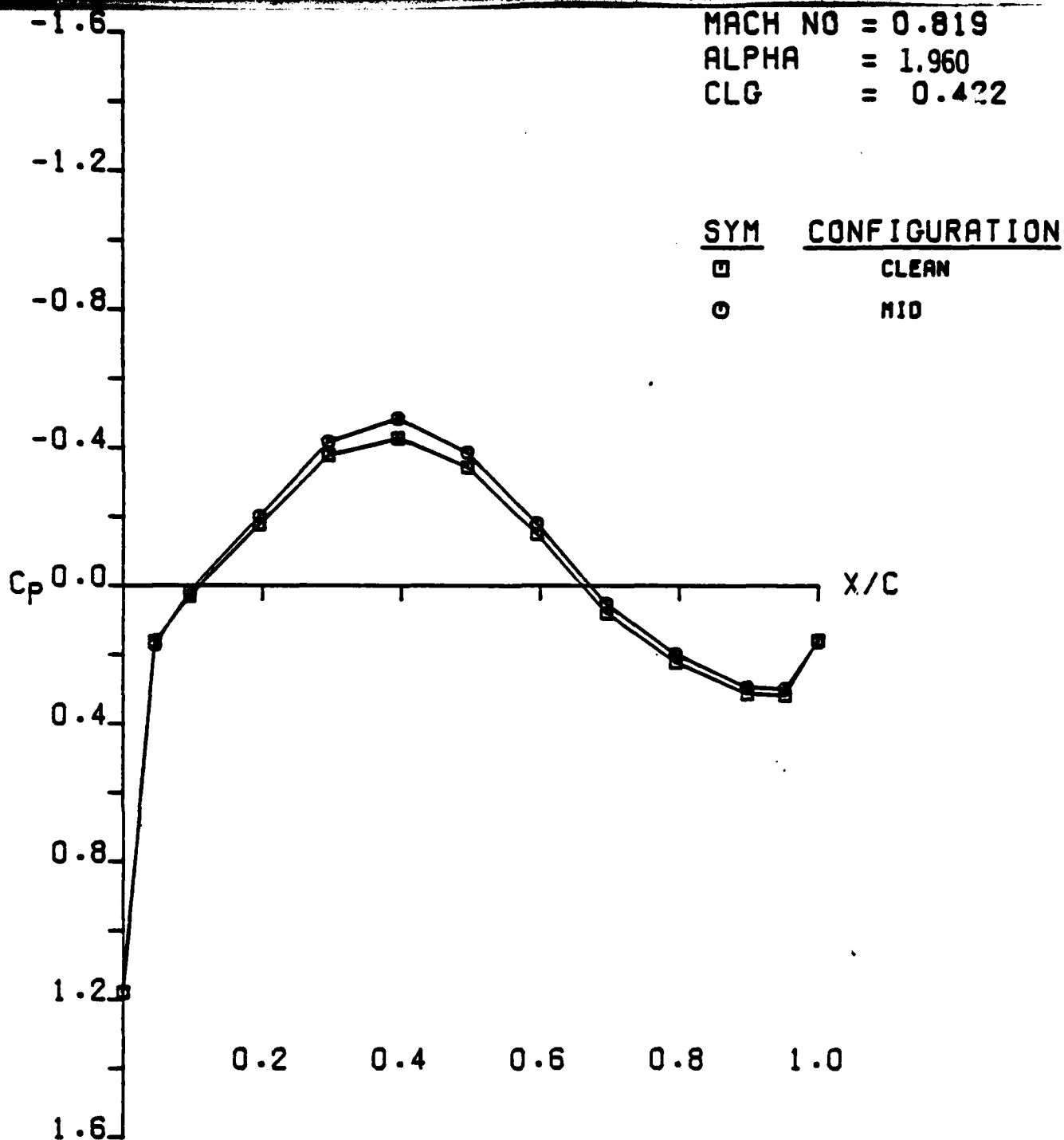
LOCKHEED CFWT SEMI-SPAN TEST, RUN 34
 CLN VS MID (LWR SURF ETA .15)
 AFOSR SEMISPAN MODEL A

MACH NO = 0.819
 ALPHA = 1.960
 CLG = 0.422



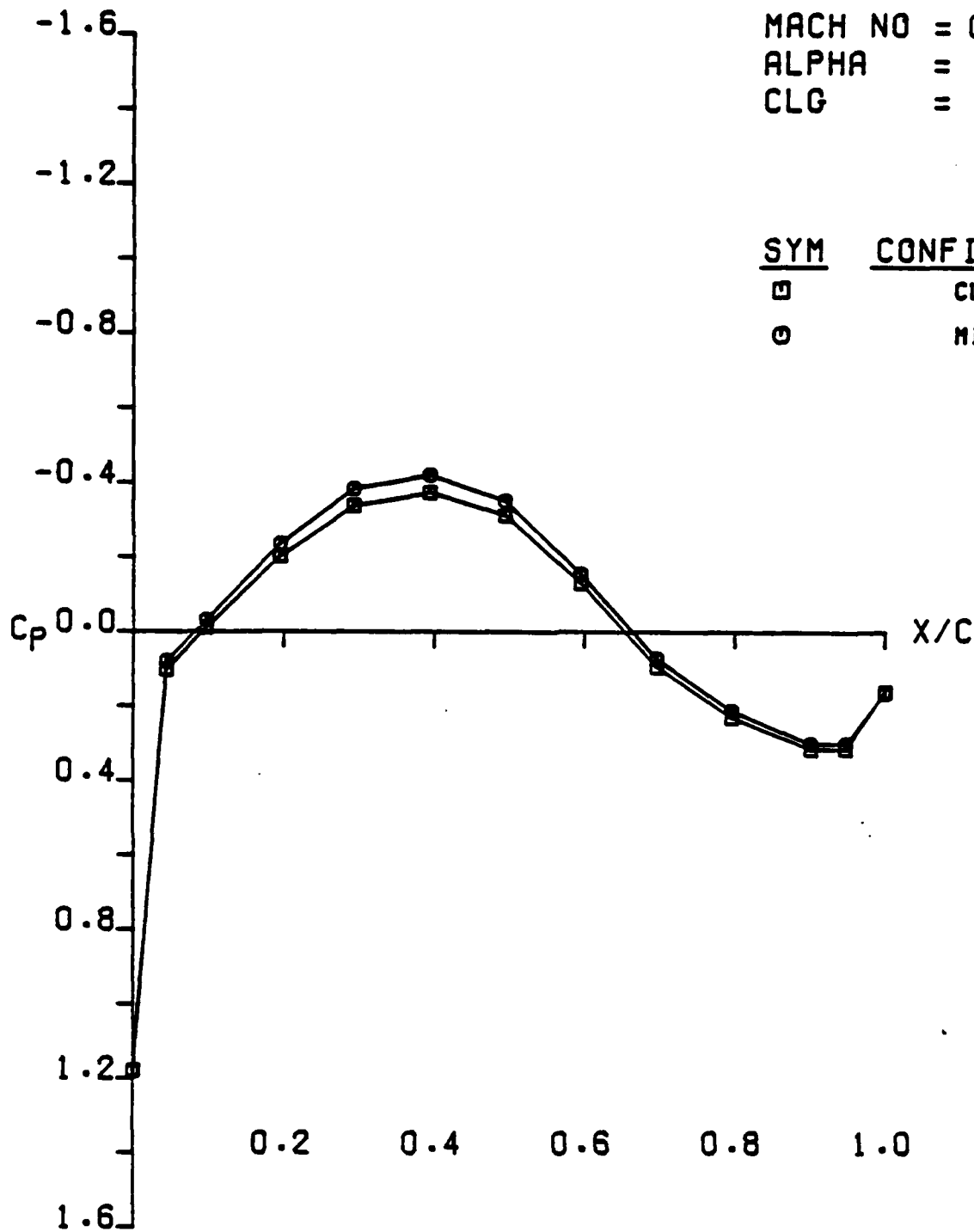
LOCKHEED CFWT SEMI-SPAN TEST, RUN 34
 CLN VS MID (LWR SURF ETA .30)
 AFOSR SEMISPAN MODEL A

MACH NO = 0.819
ALPHA = 1.960
CLG = 0.422



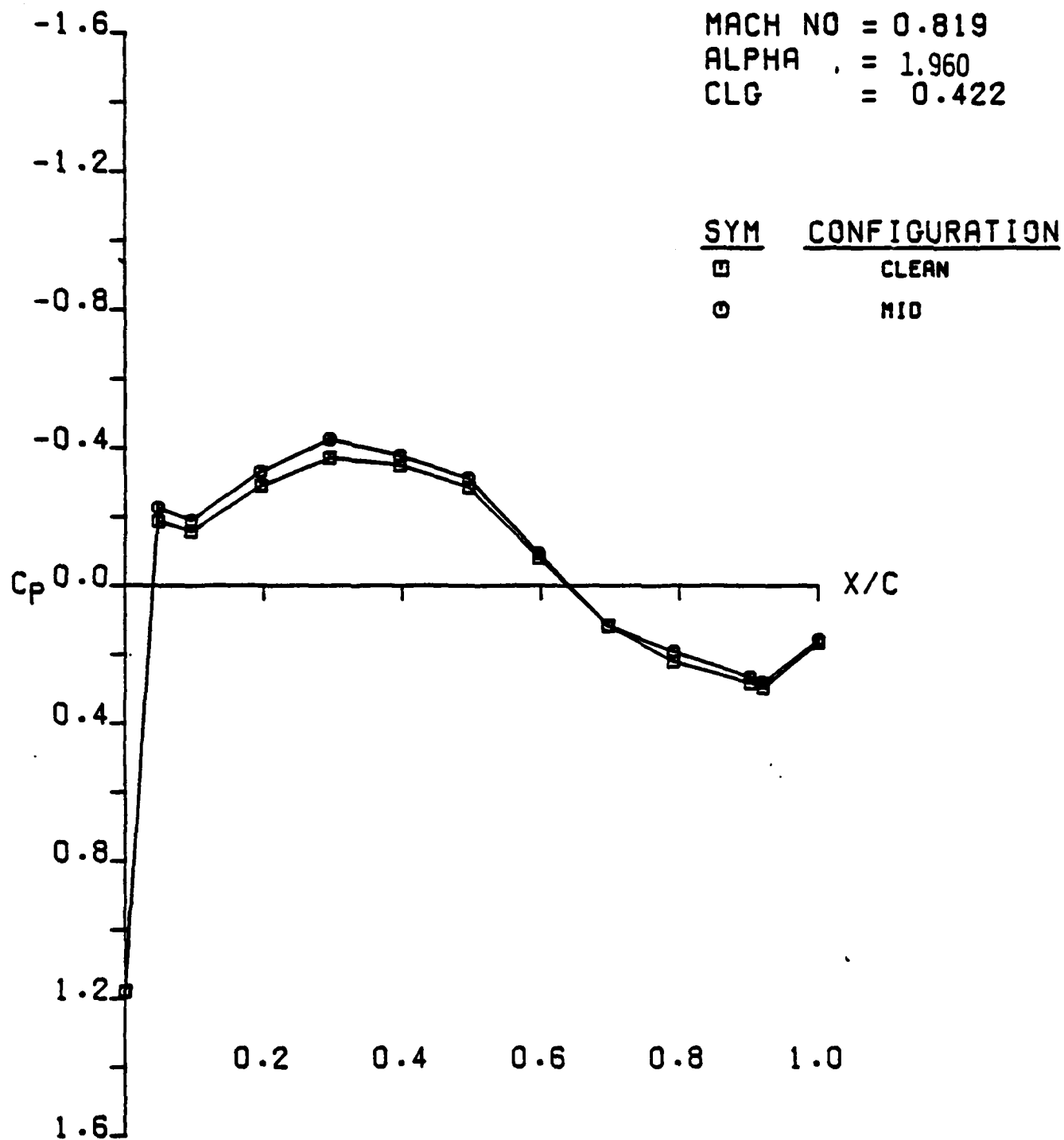
LOCKHEED CFWT SEMI-SPAN TEST, RUN 34
CLN VS MID (LWR SURF ETA .50)
AFOSR SEMISPAN MODEL A

MACH NO = 0.819
ALPHA = 1.960
CLG = 0.422



LOCKHEED CFWT SEMI-SPAN TEST, RUN 34
CLN VS MID (LWR SURF ETA .70)
AFOSR SEMISPAN MODEL A

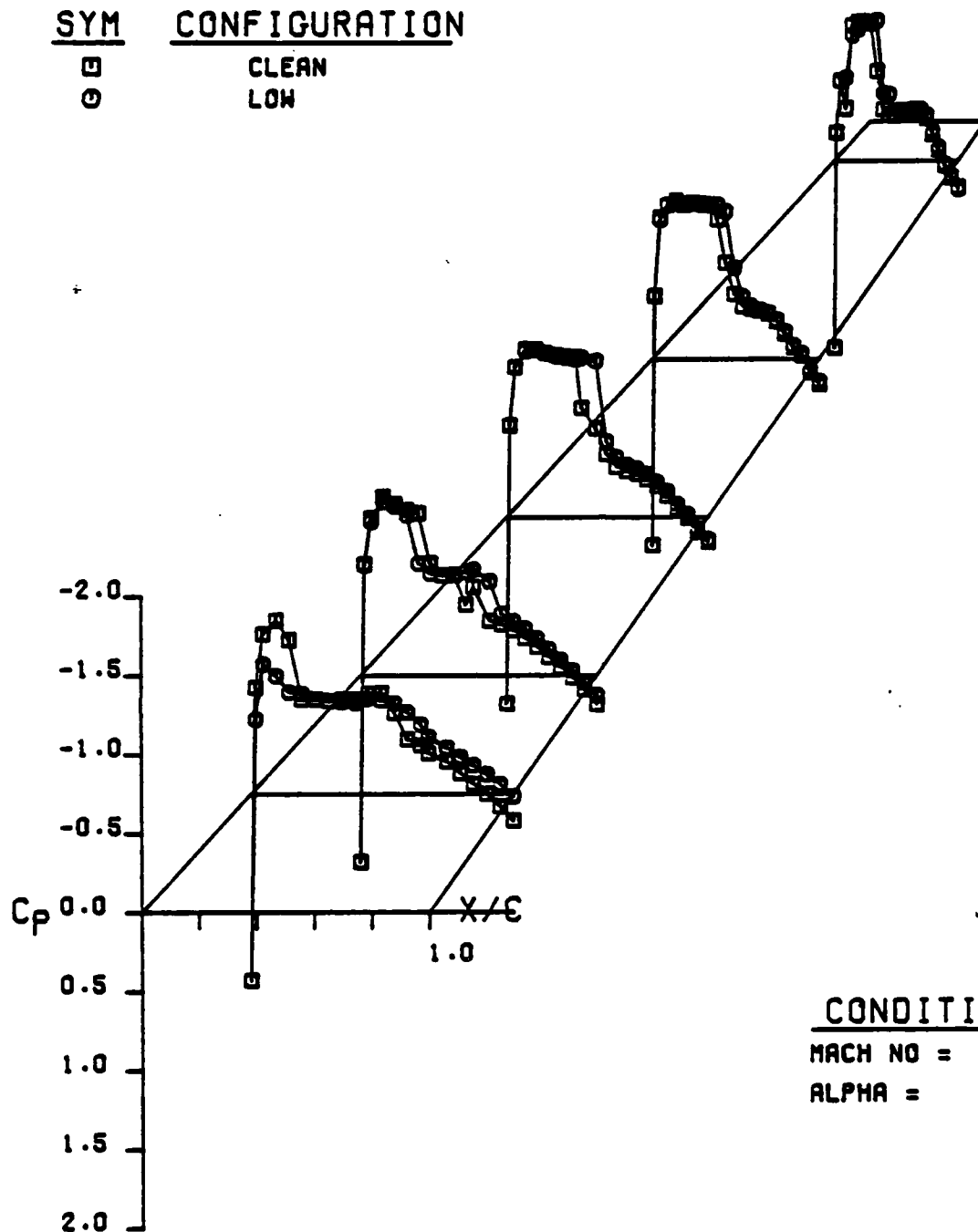
MACH NO = 0.819
 ALPHA = 1.960
 CLG = 0.422



LOCKHEED CFWT SEMI-SPAN TEST, RUN 34
 CLN VS MID (LWR SURF ETA .95)
 AFOSR SEMISPAN MODEL A

SYM CONFIGURATION

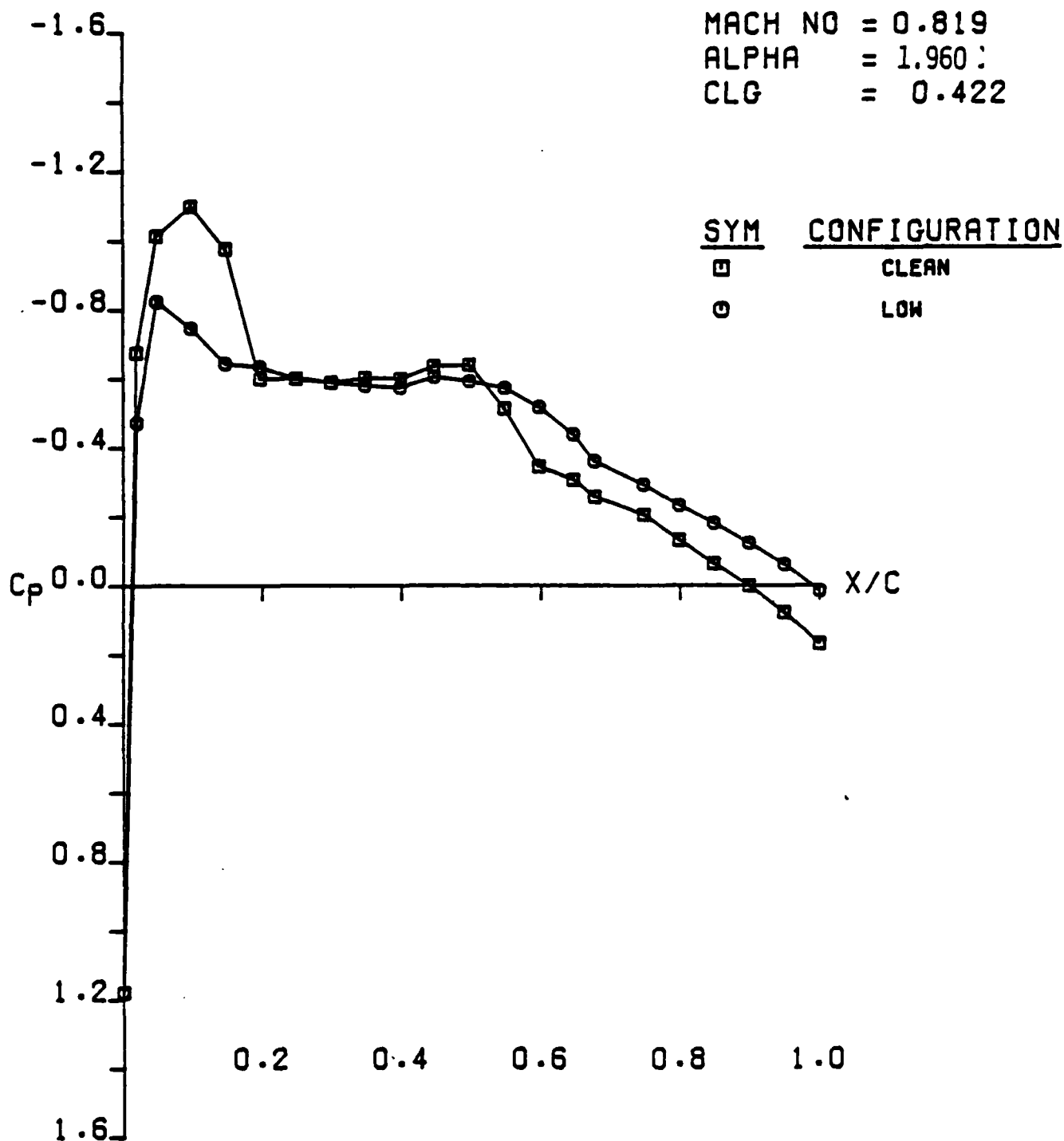
□ CLEAN
○ LOW



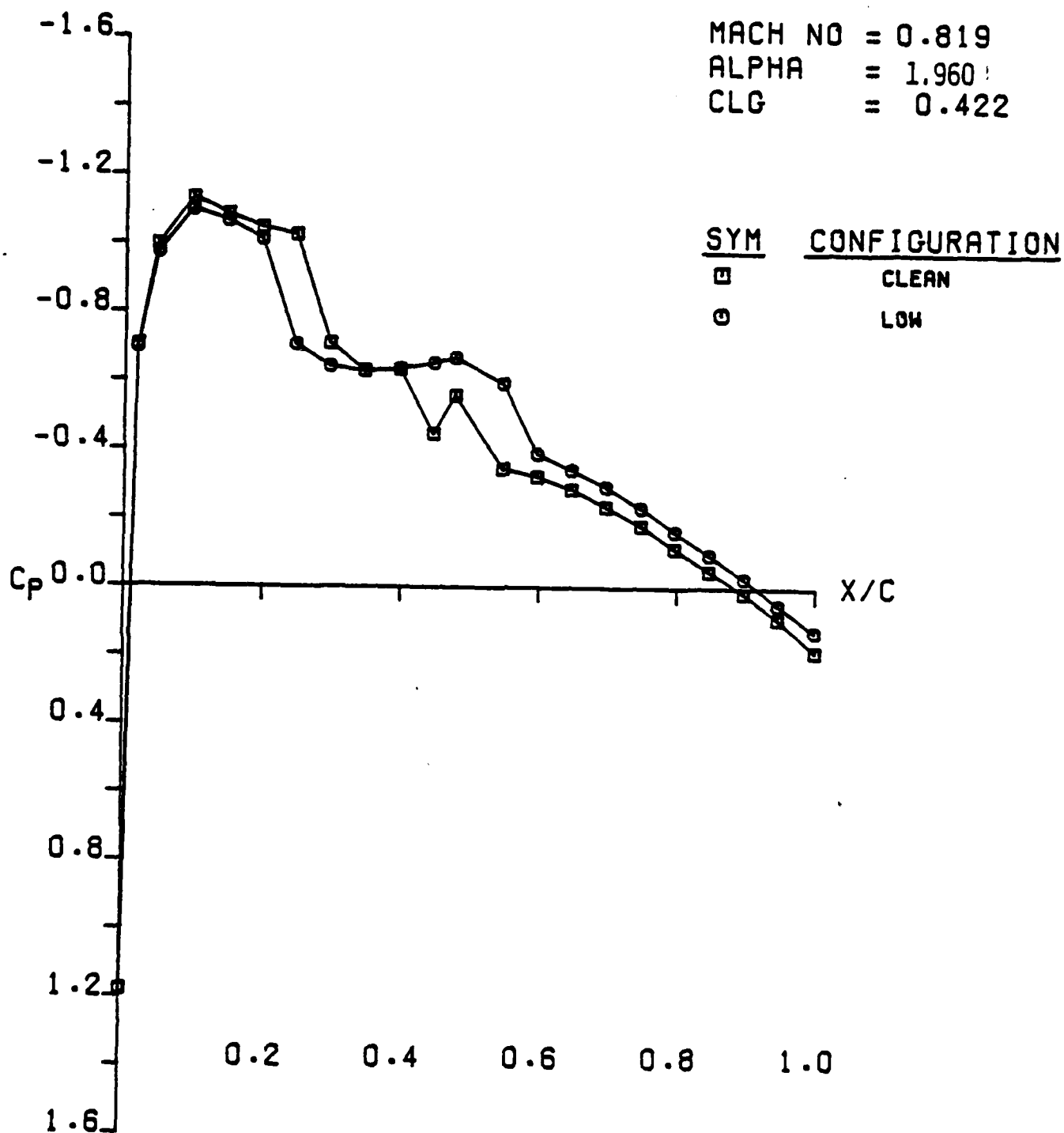
CONDITIONS

MACH NO = 0.819
ALPHA = 1.960

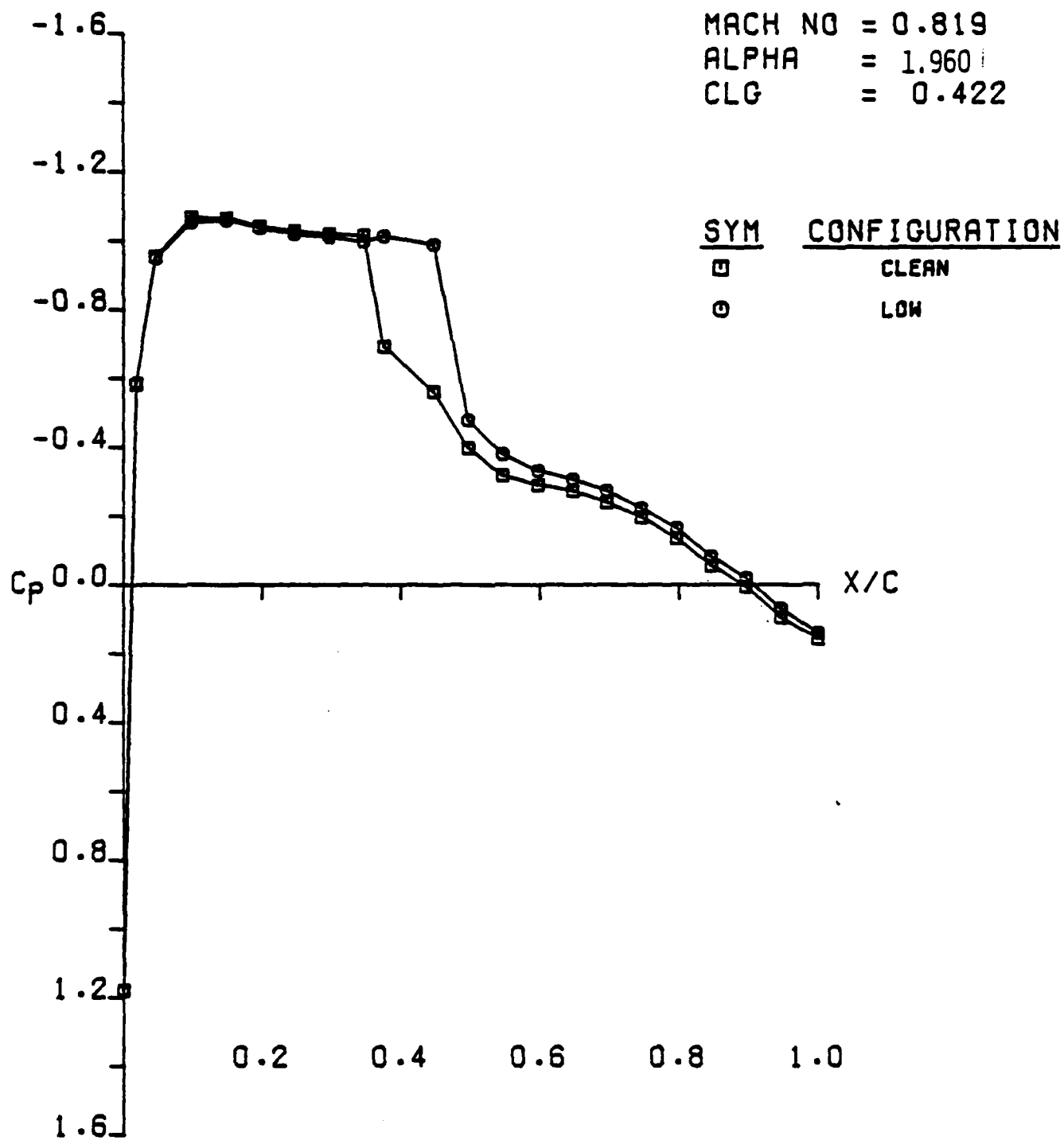
LOCKHEED CFWT SEMI-SPAN TEST, RUN 34
CLN VS LOW (UPR SURF)
AFOSR SEMISPAN MODEL A



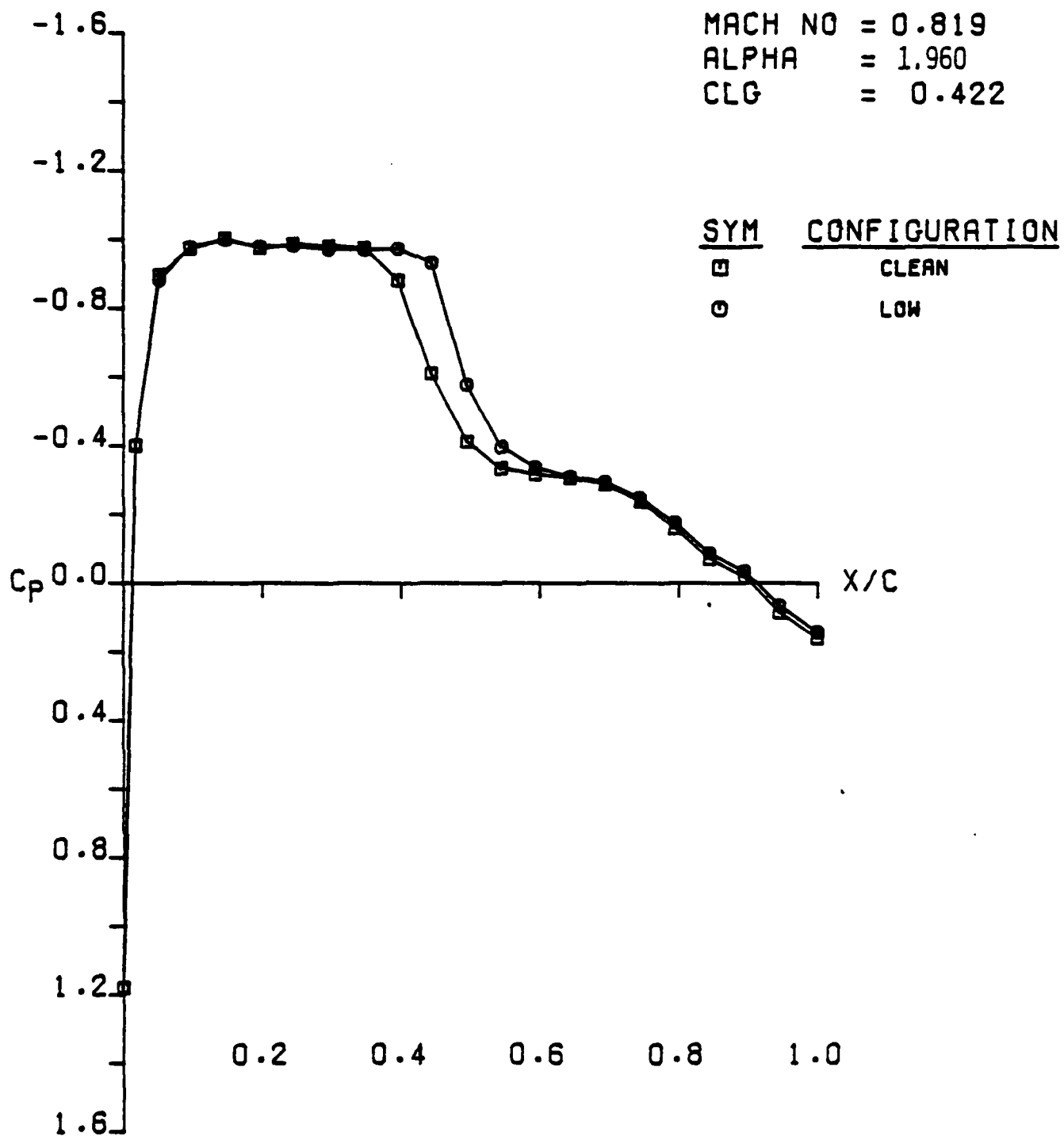
LOCKHEED CFWT SEMI-SPAN TEST, RUN 34
 CLN VS LOW (UPR SURF ETA .15)
 AFOSR SEMISPAN MODEL A



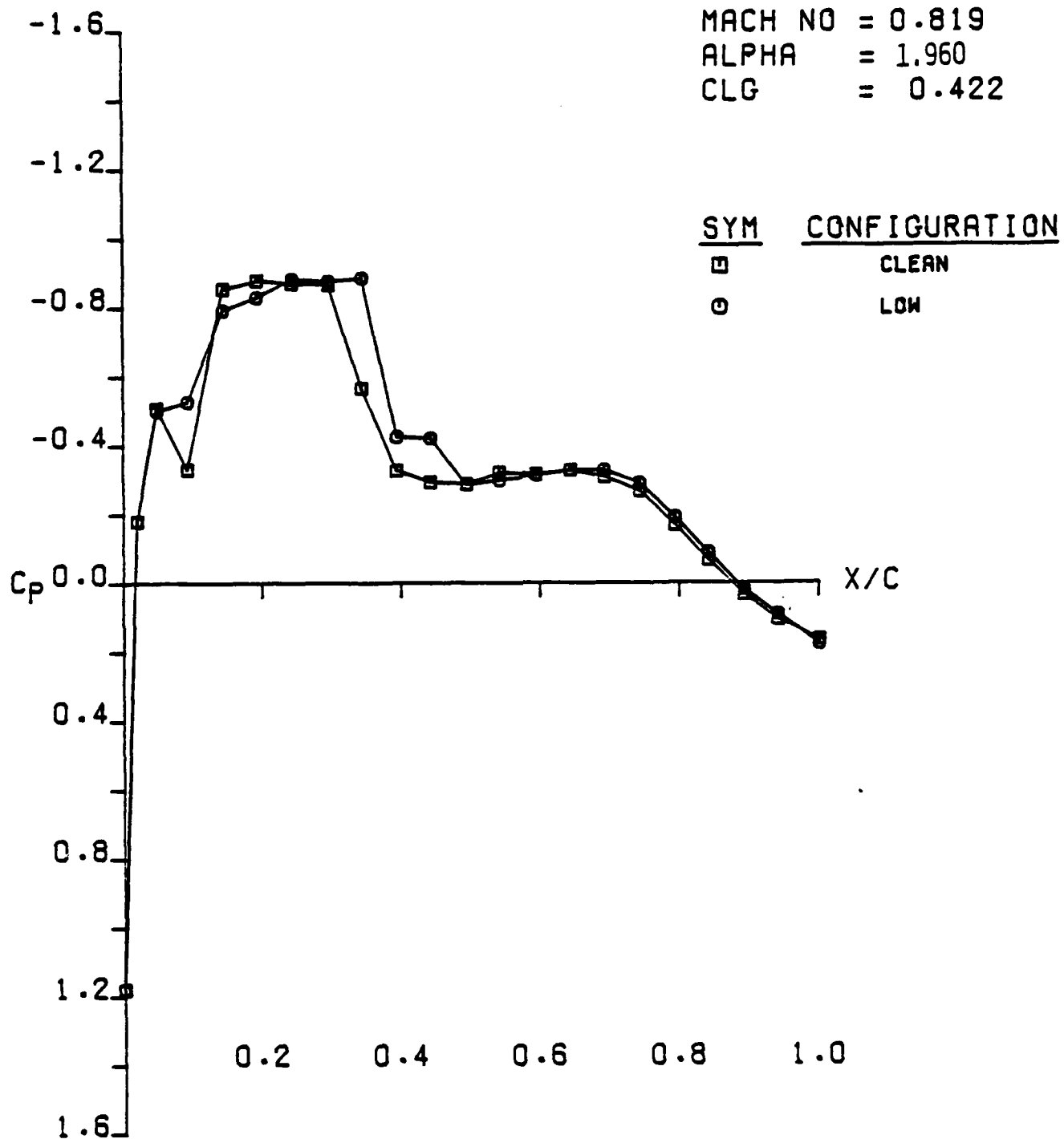
LOCKHEED CFWT SEMI-SPAN TEST, RUN 34
 CLN VS LOW (UPR SURF ETA .30)
 AFOSR SEMISPAN MODEL A



LOCKHEED CFWT SEMI-SPAN TEST, RUN 34
 CLN VS LOW (UPR SURF ETA .50)
 AFOSR SEMISPAN MODEL A

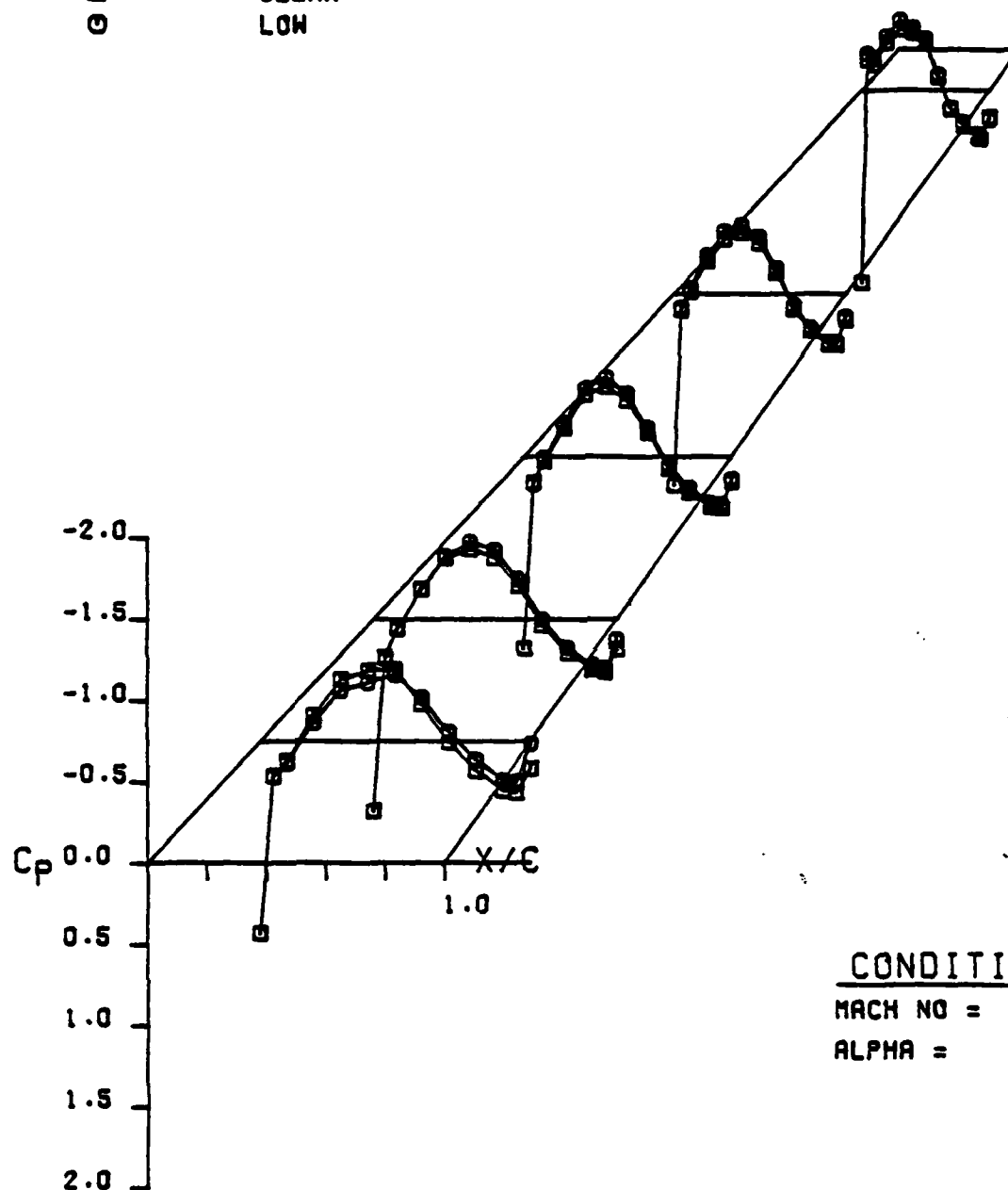


LOCKHEED CFWT SEMI-SPAN TEST, RUN 34
CLN VS LOW (UPR SURF ETA .70)
AFOSR SEMISPAN MODEL A



LOCKHEED CFWT SEMI-SPAN TEST.. RUN 34
 CLN VS LOW (UPR SURF ETA .95)
 AFOSR SEMISPAN MODEL A

SYM	CONFIGURATION
□	CLEAN
○	LOW

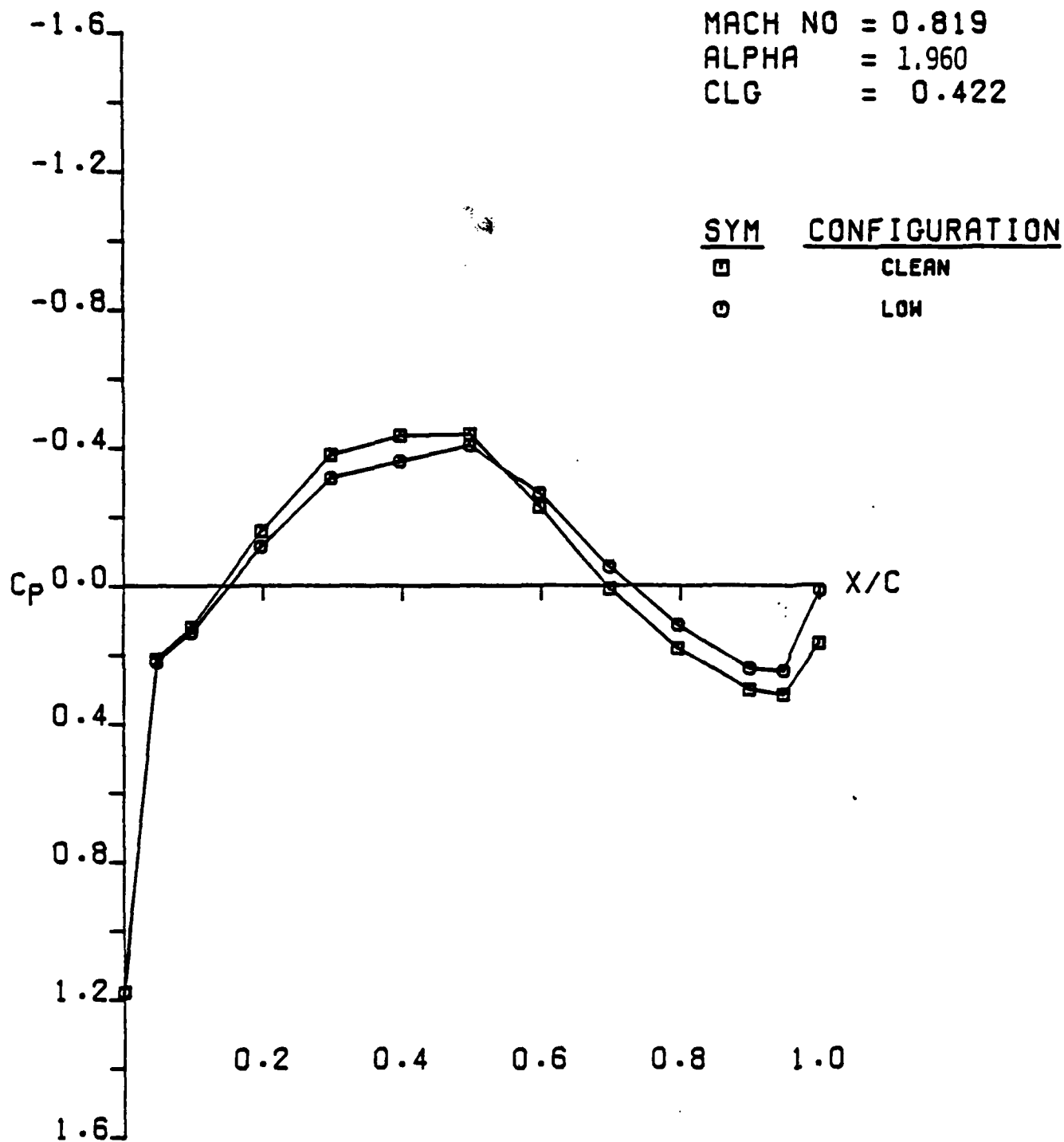


CONDITIONS

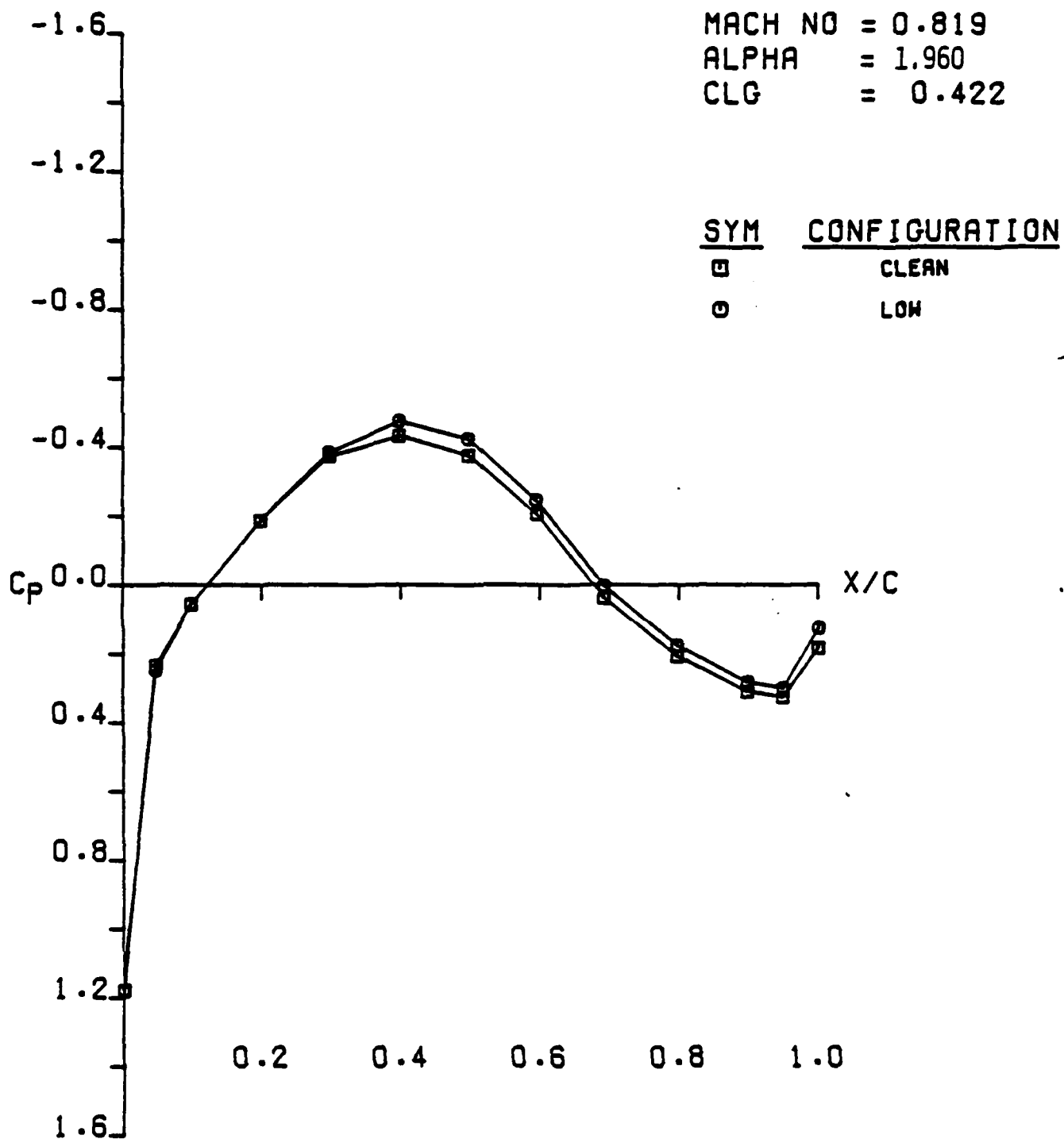
MACH NO = 0.819

ALPHA = 1.960

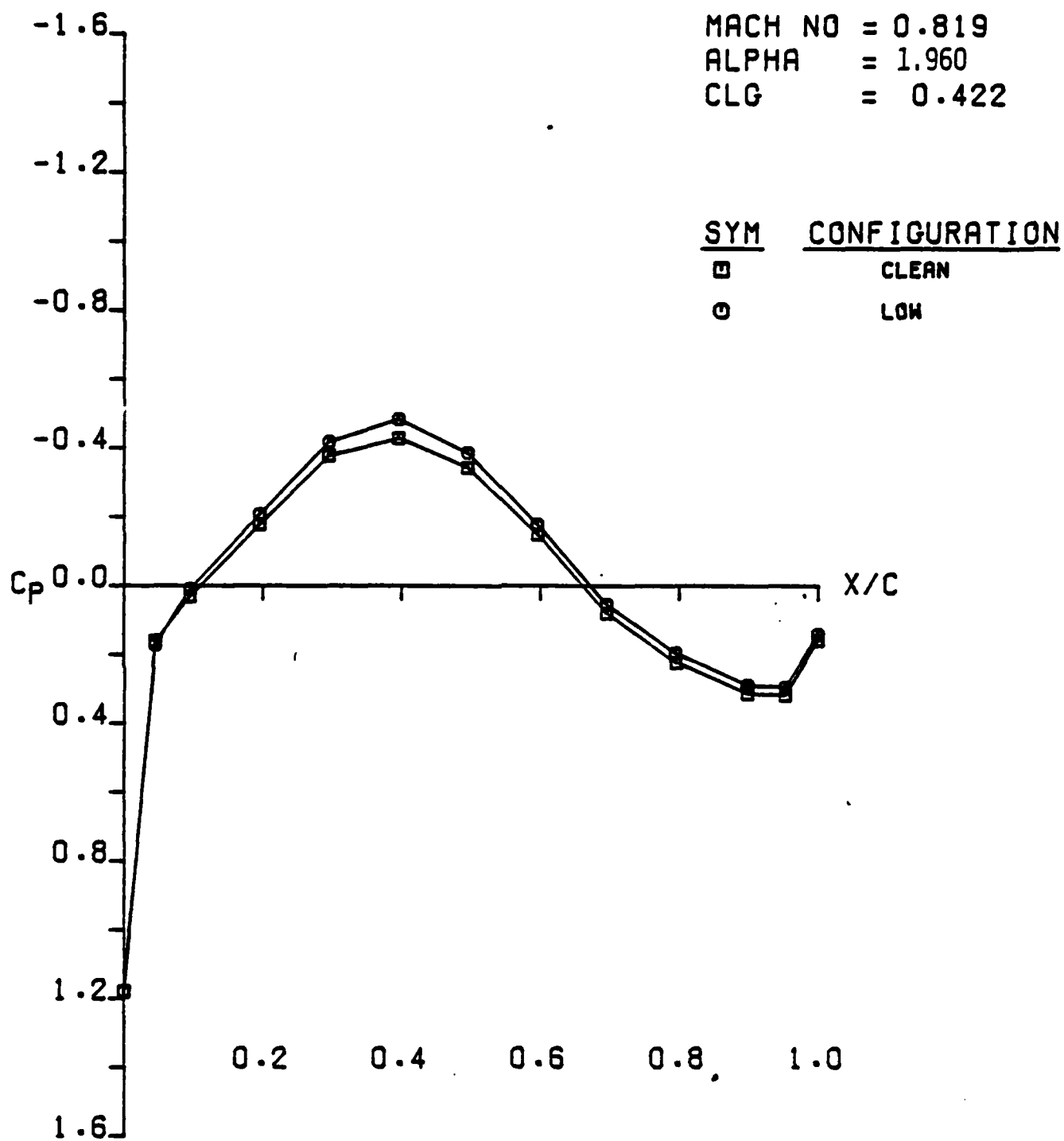
LOCKHEED CFWT SEMI-SPAN TEST, RUN 34
 CLN VS LOW (LWR SURF)
 AFOSR SEMISPAN MODEL A



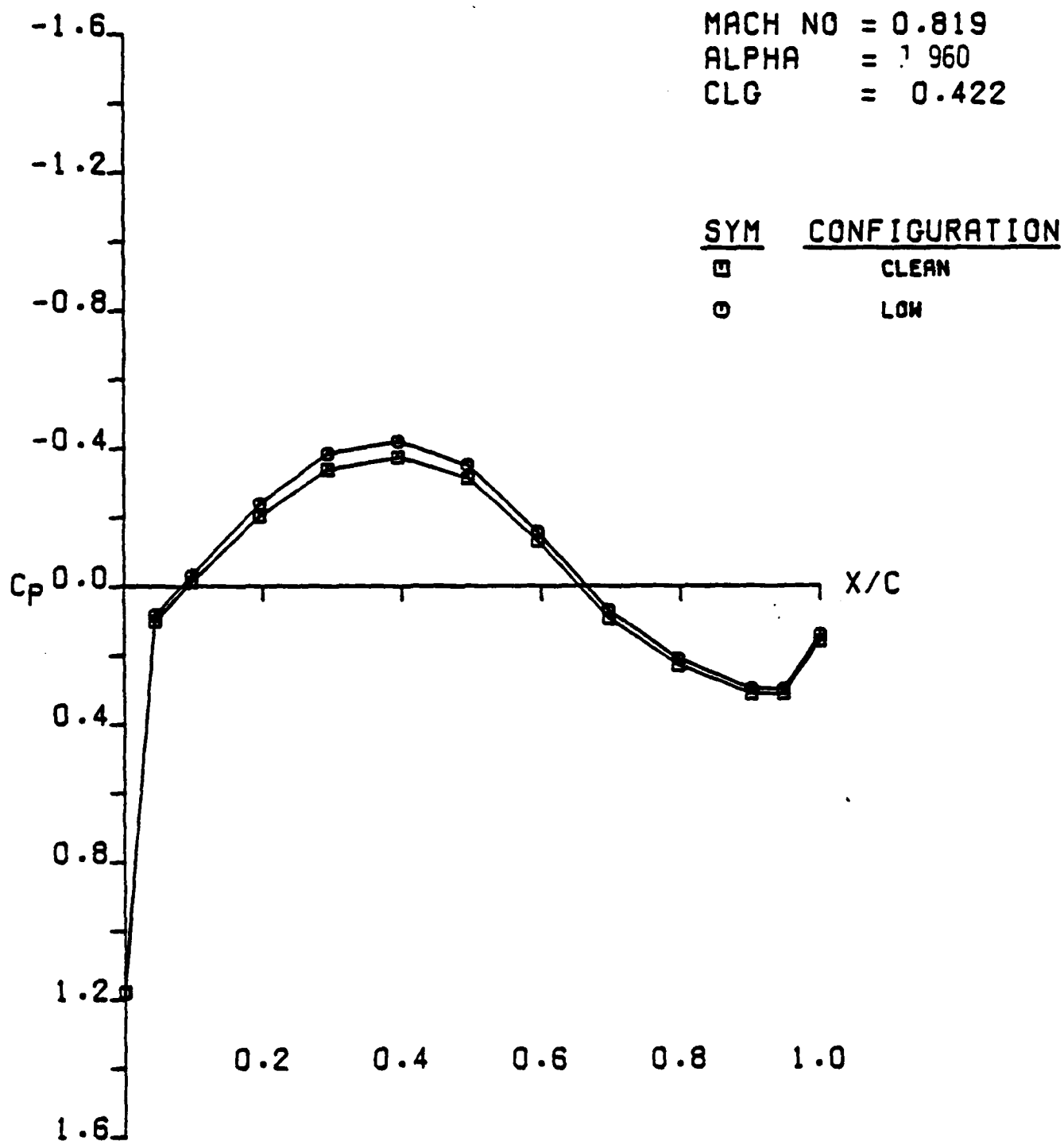
LOCKHEED CFWT SEMI-SPAN TEST, RUN 34
CLN VS LOW (LWR SURF ETA .15)
AFOSR SEMISPAN MODEL A



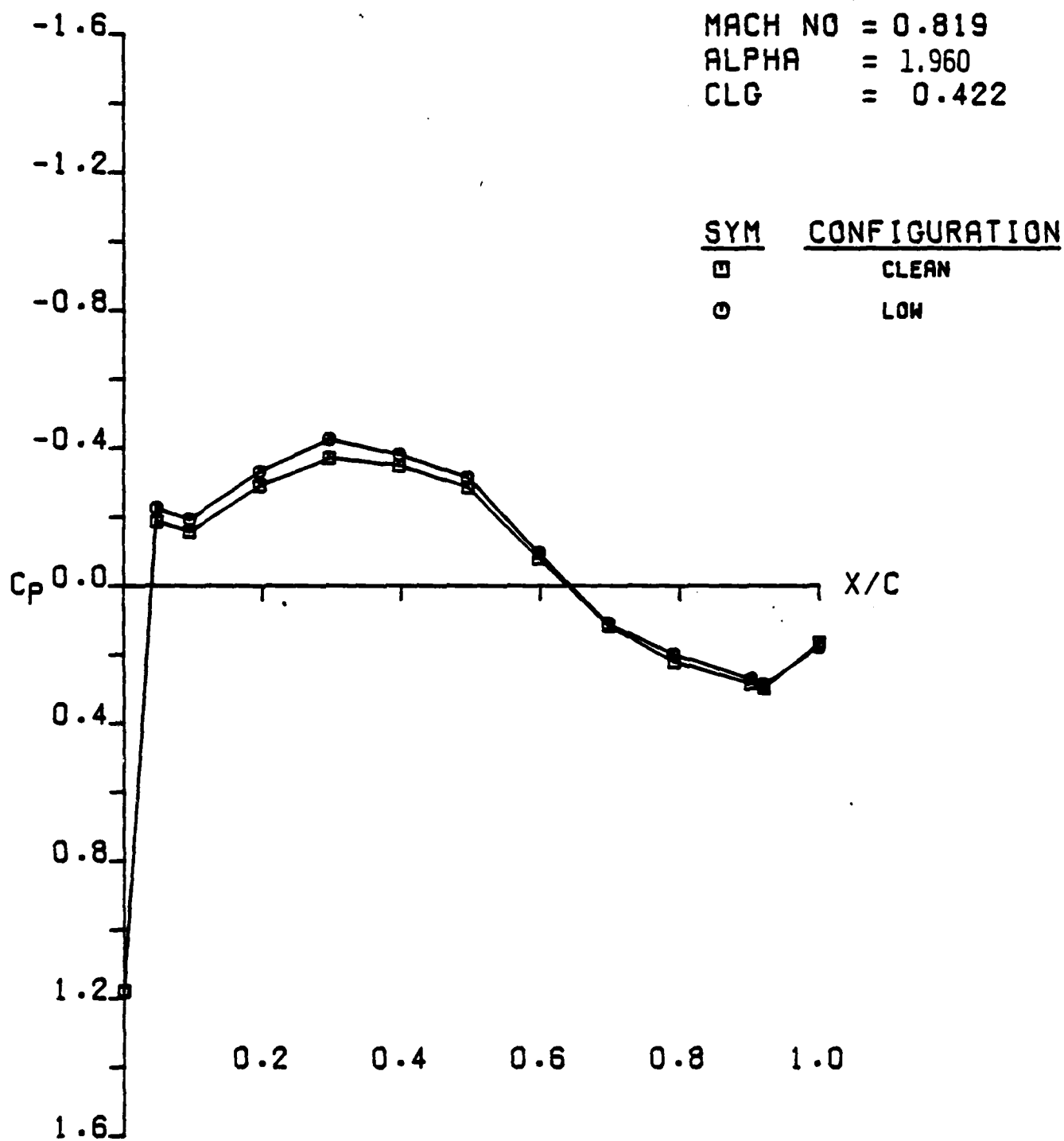
LOCKHEED CFWT SEMI-SPAN TEST, RUN 34
 CLN VS LOW (LWR SURF ETA .30)
 AFOSR SEMISPAN MODEL A



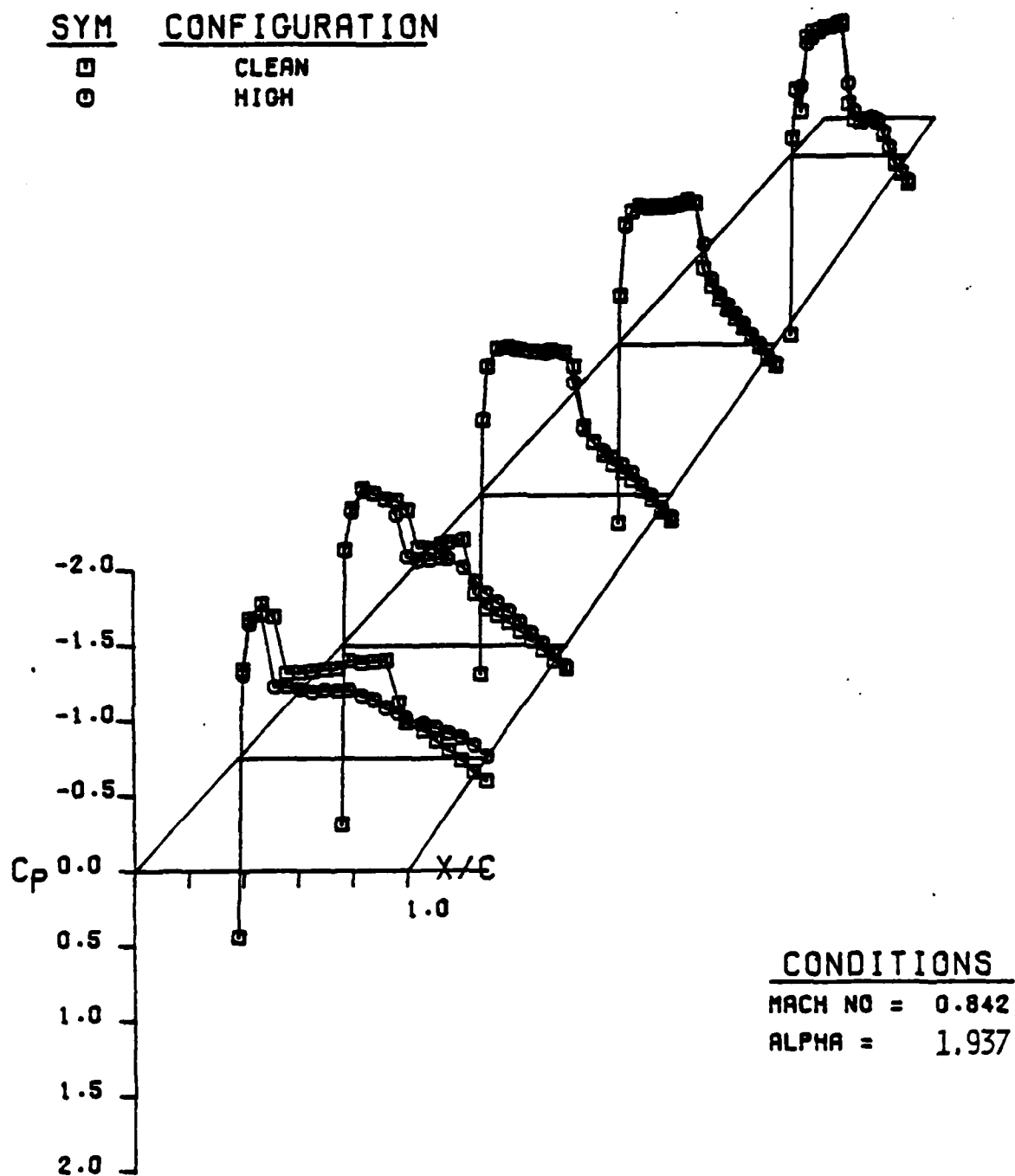
LOCKHEED CFWT SEMI-SPAN TEST. RUN 34
CLN VS LOW (LWR SURF ETA .50)
AFOSR SEMISPAN MODEL A



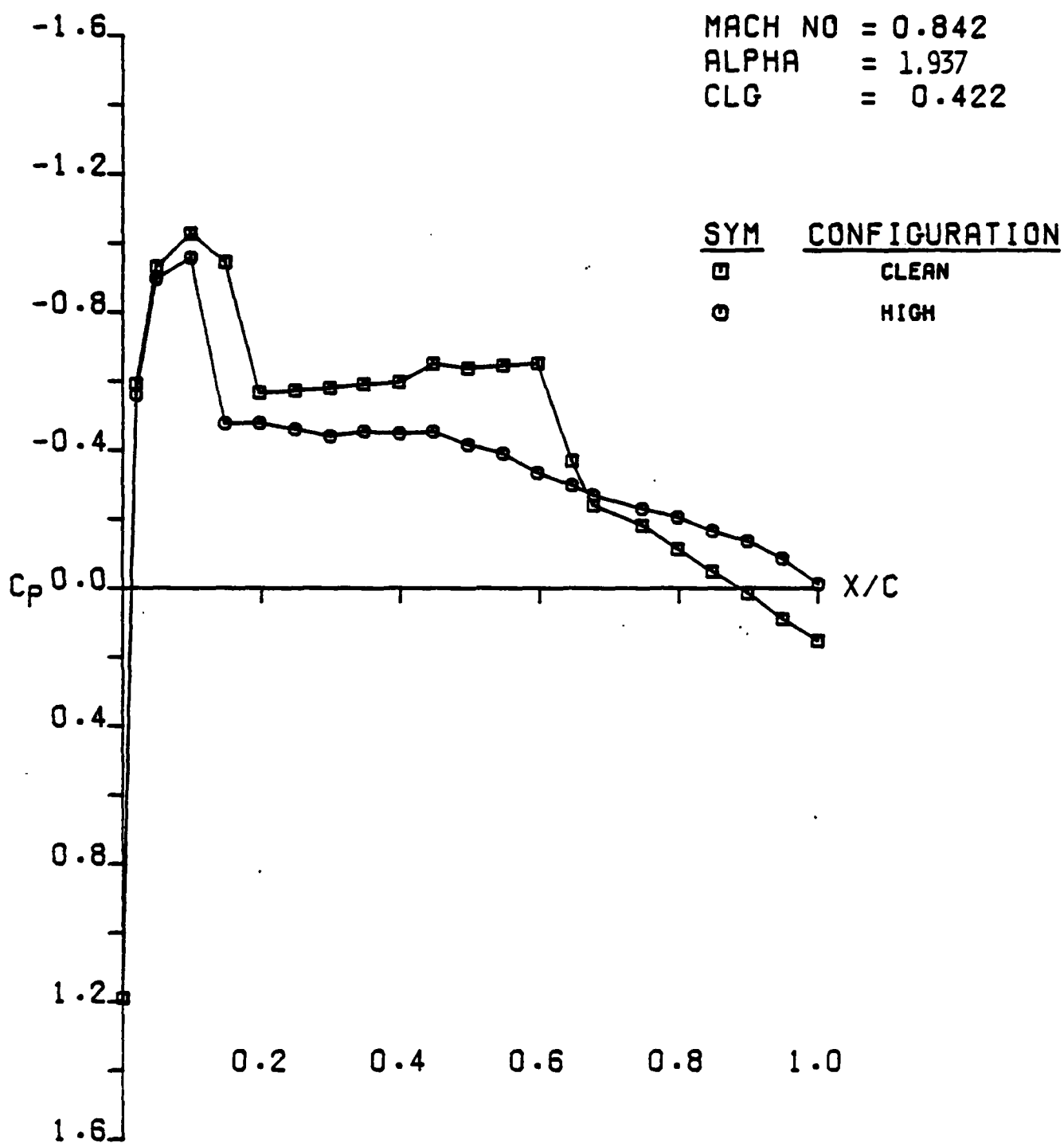
LOCKHEED CFWT SEMI-SPAN TEST, RUN 34
 CLN VS LOW (LWR SURF ETA .70)
 AFOSR SEMISPAN MODEL A



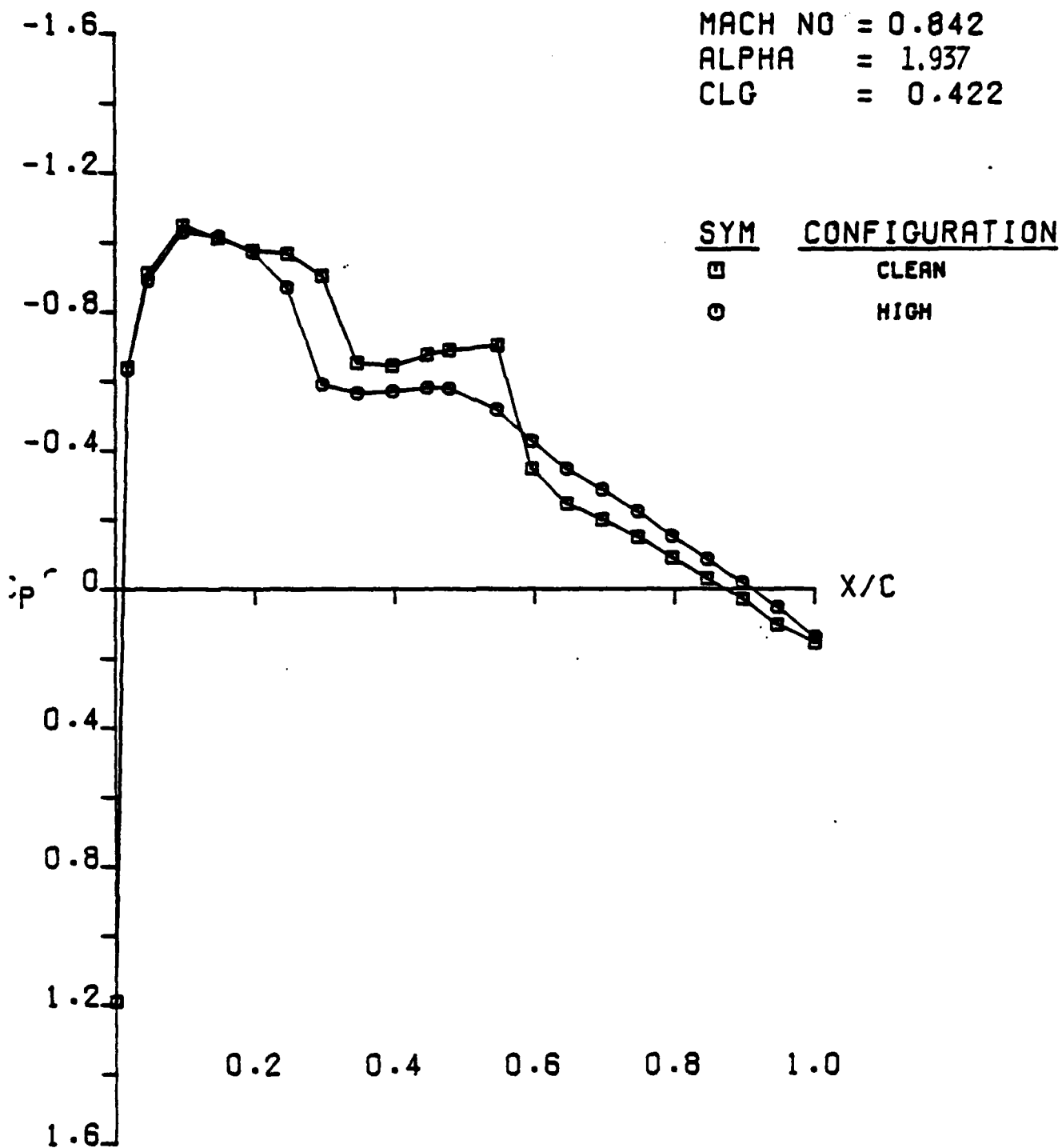
LOCKHEED CFWT SEMI-SPAN TEST, RUN 34
 CLN VS LOW (LWR SURF ETA .95)
 AFOSR SEMISPAN MODEL A



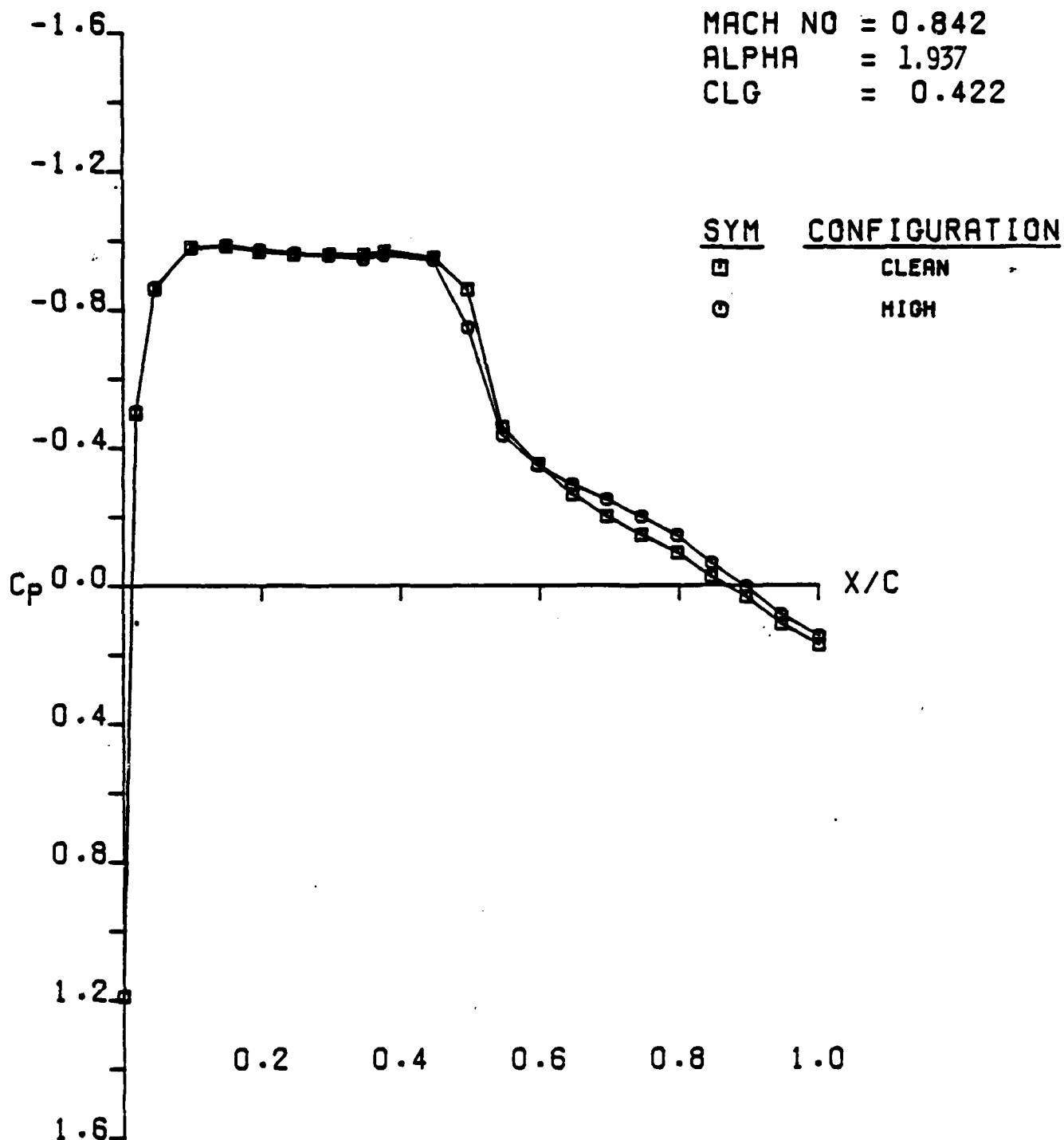
LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
 CLN VS HIGH (UPR SURF)
 AFOSR SEMISPAN MODEL A



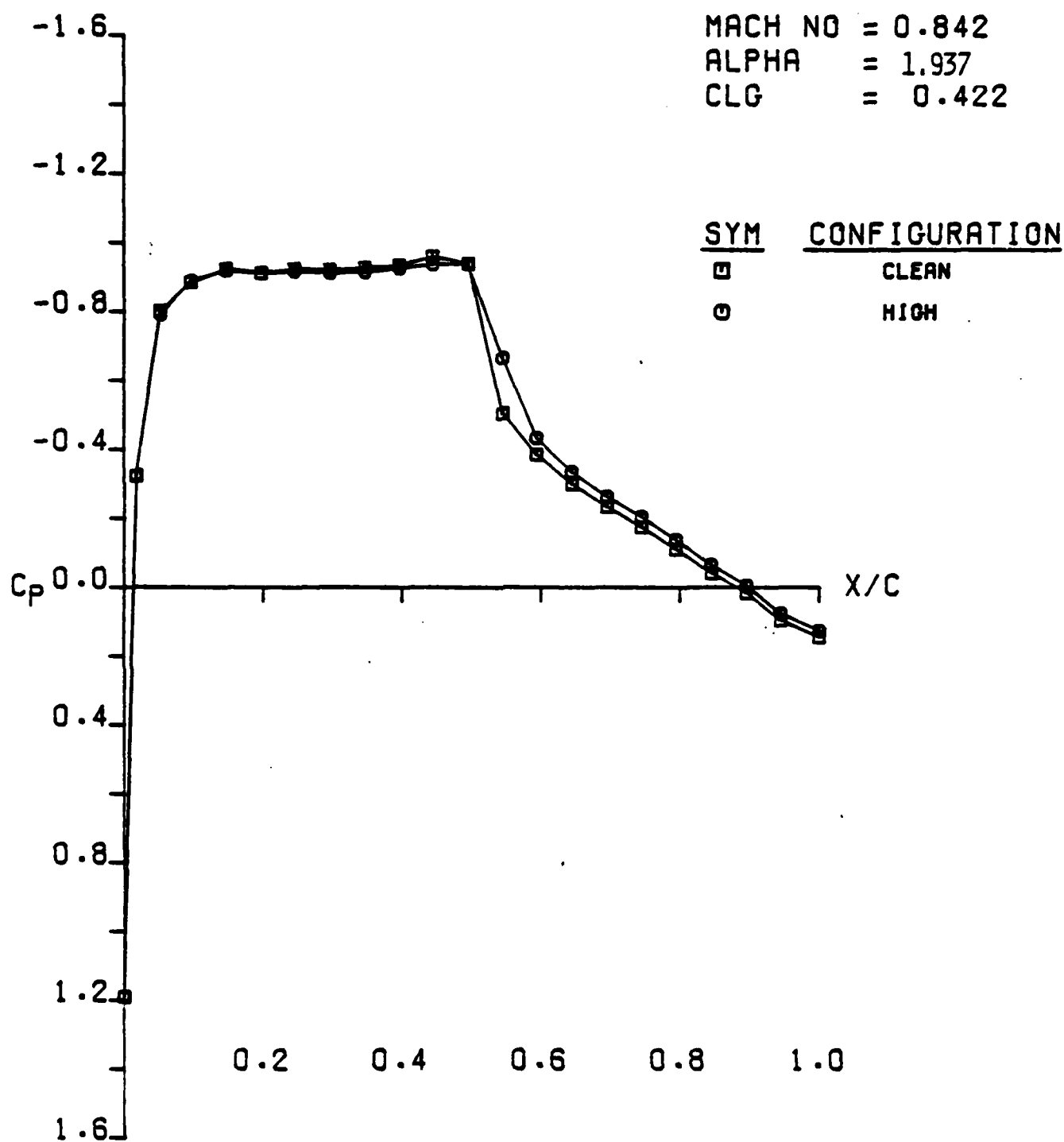
LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
CLN VS HIGH (UPR SURF ETA .15)
AFOSR SEMISPAN MODEL A



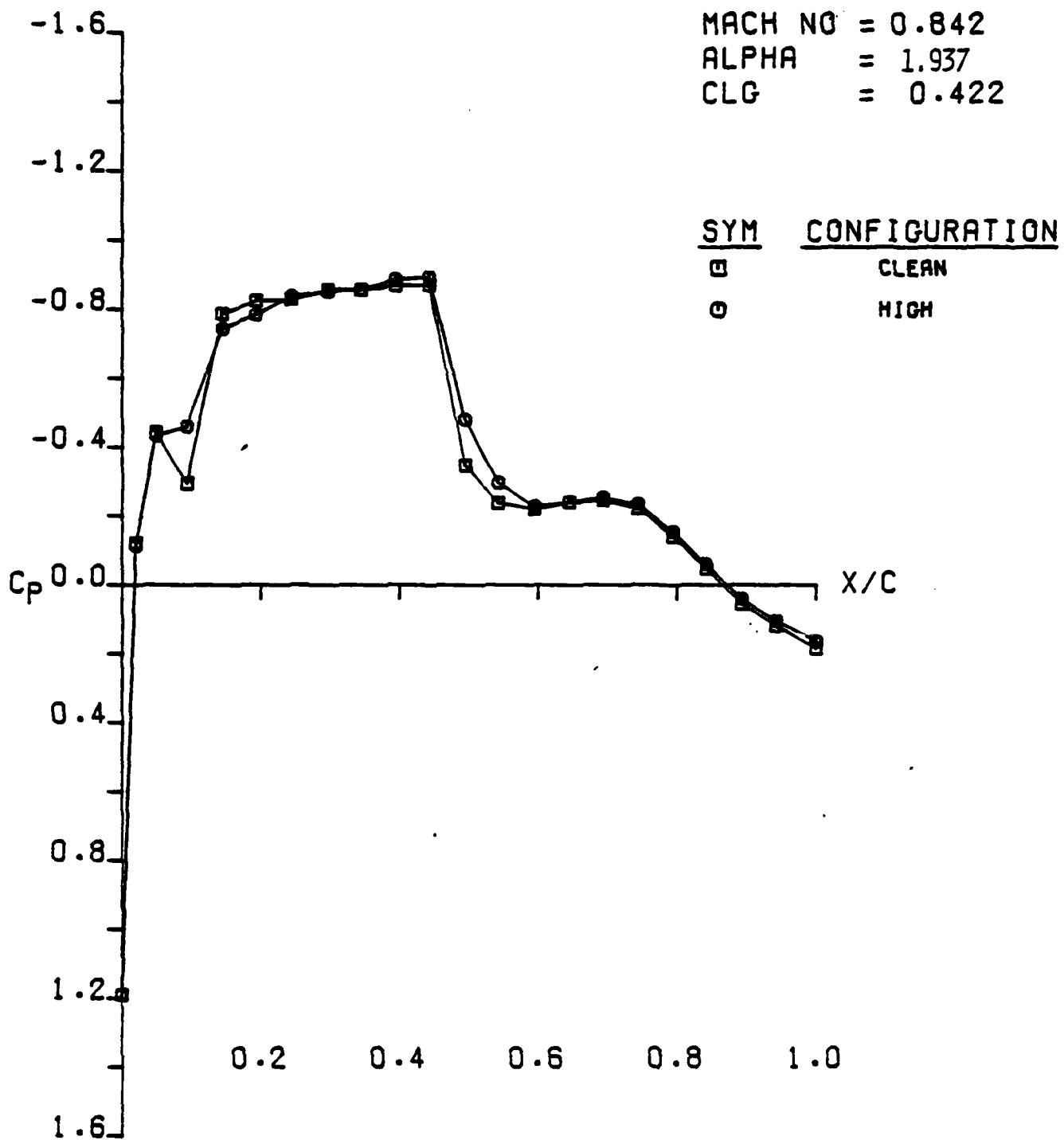
LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
CLN VS HIGH (UPR SURF ETA .30)
AFOSR SEMISPAN MODEL A



LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
 CLN VS HIGH (UPR SURF ETA .50)
 AFOSR SEMISPAN MODEL A



LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
CLN VS HIGH (UPR SURF ETA .70)
AFOSR SEMISPAN MODEL A

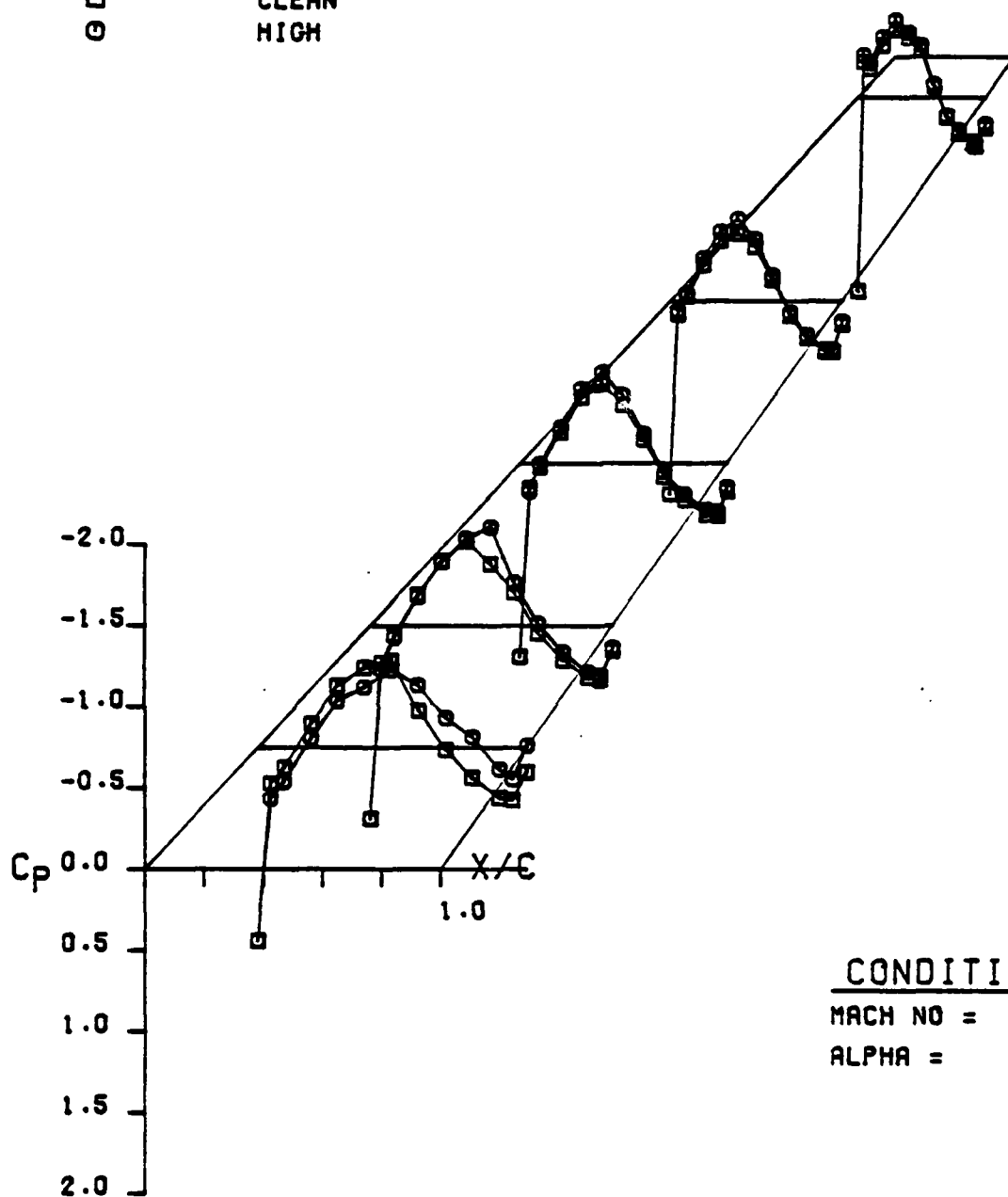


LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
CLN VS HIGH (UPR SURF ETA .95)
AFOSR SEMISPAN MODEL A

SYM CONFIGURATION

□
○

CLEAN
HIGH

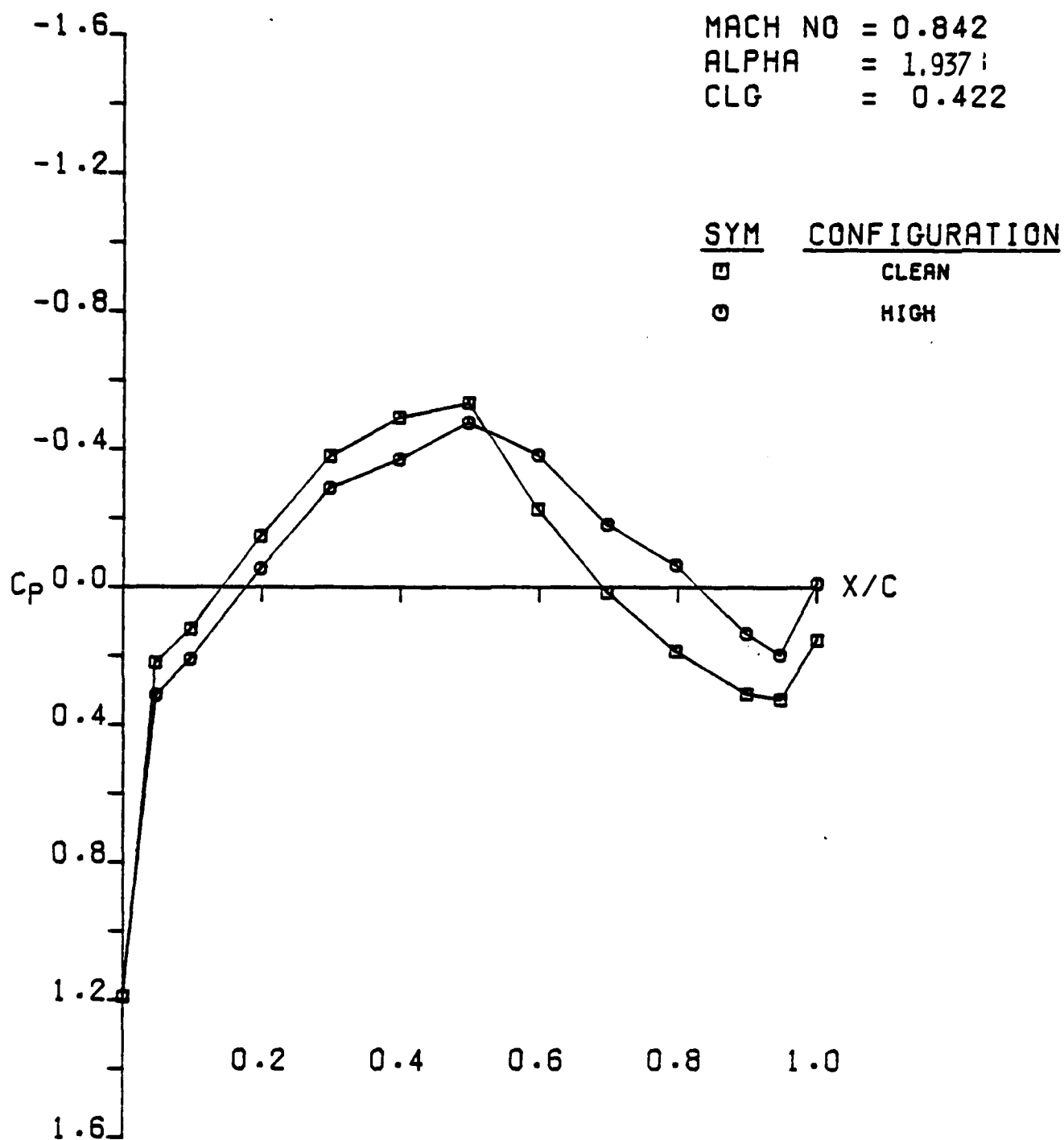


CONDITIONS

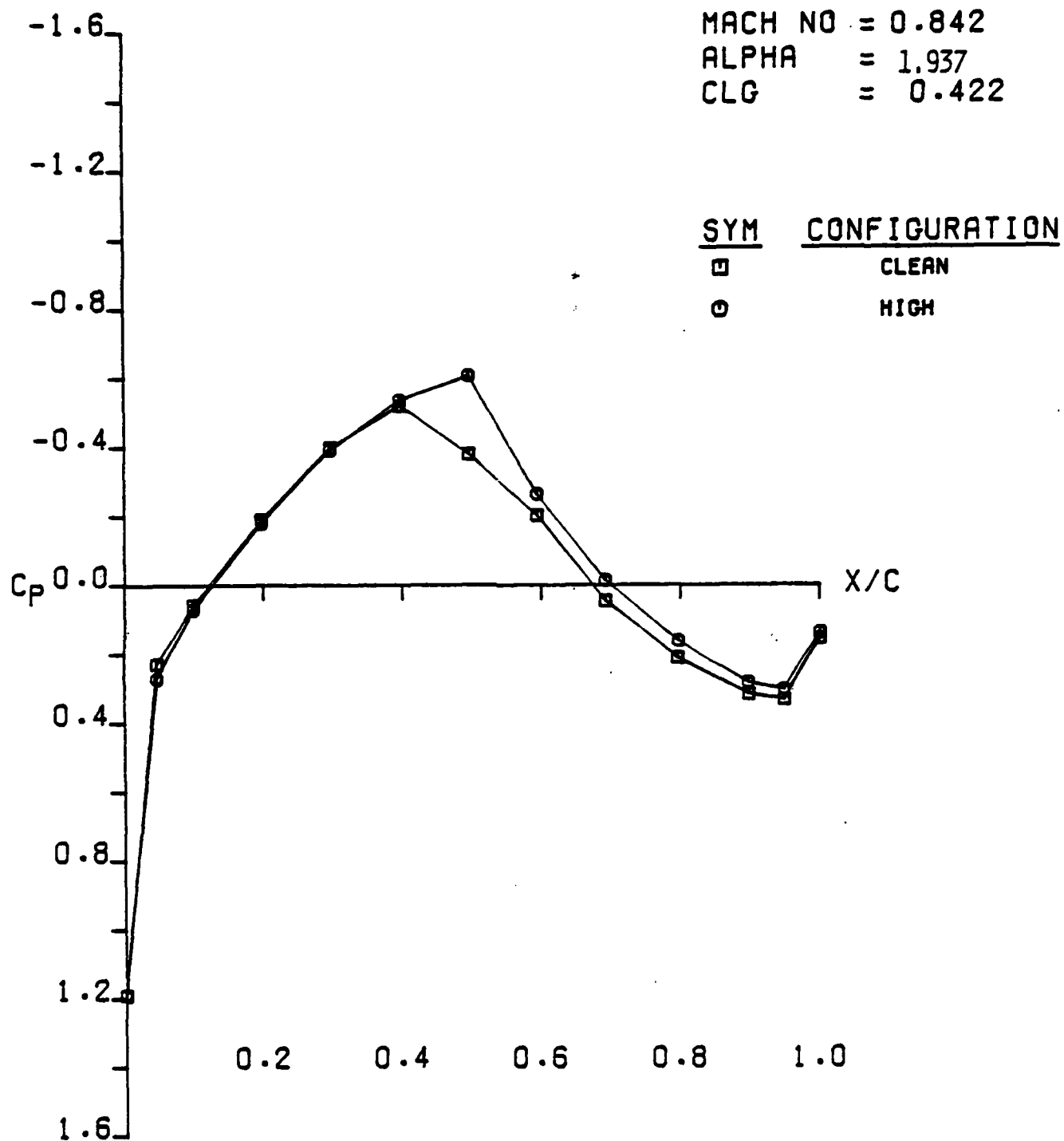
MACH NO = 0.842

ALPHA = 1.937

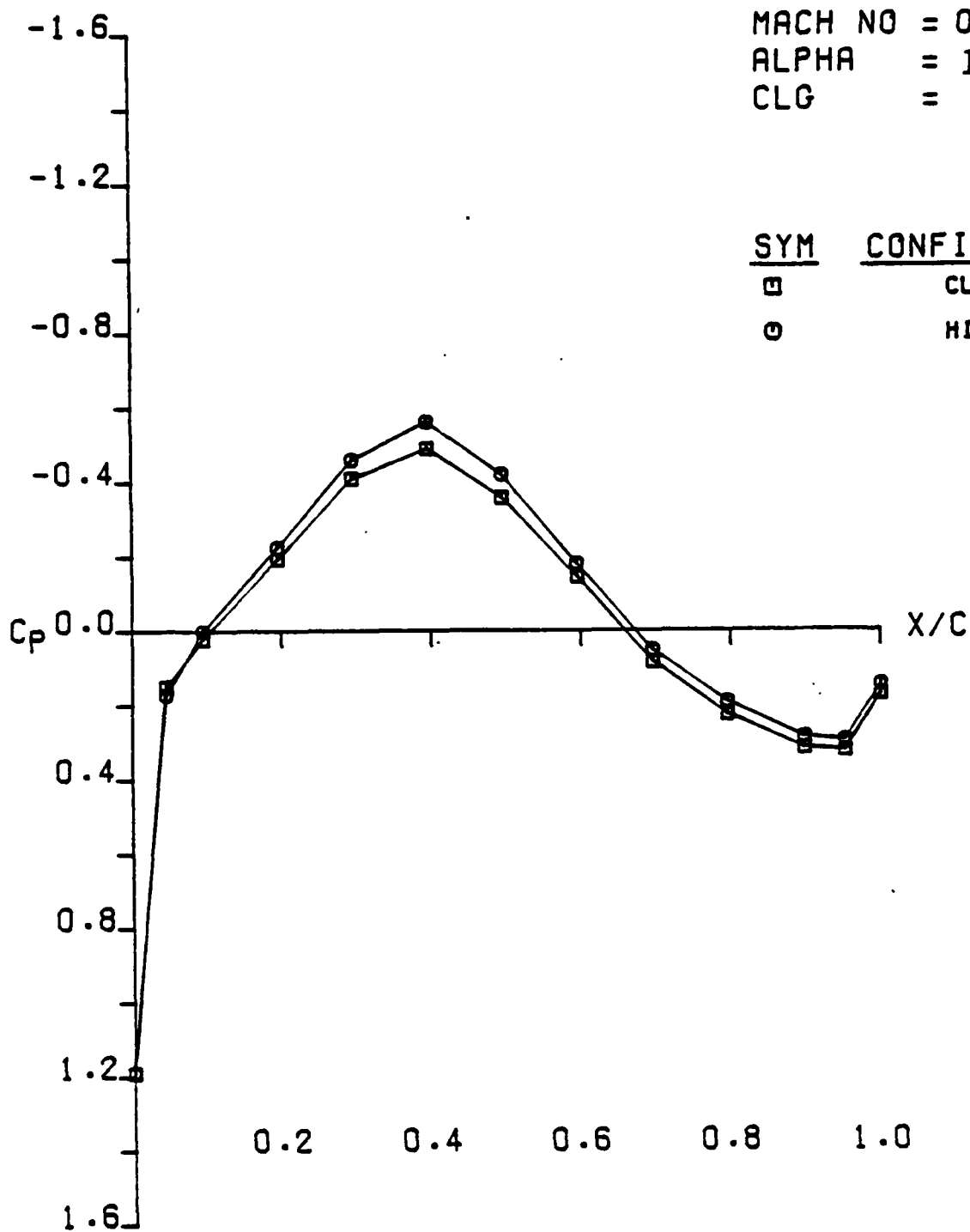
LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
CLN VS HIGH (LWR SURF)
AFOSR SEMISPAN MODEL A



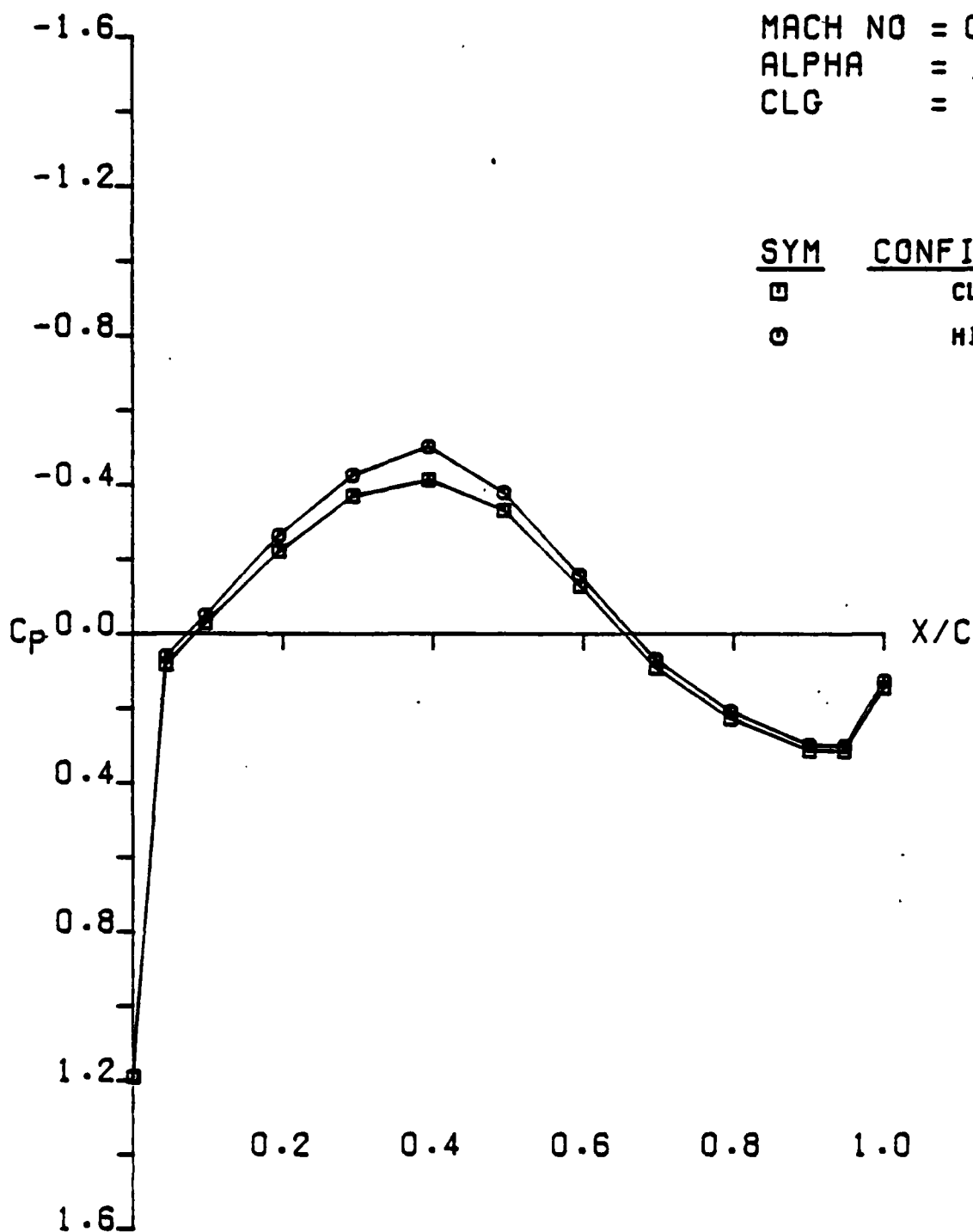
LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
CLN VS HIGH (LWR SURF ETA .15)
AFOSR SEMISPAN MODEL A



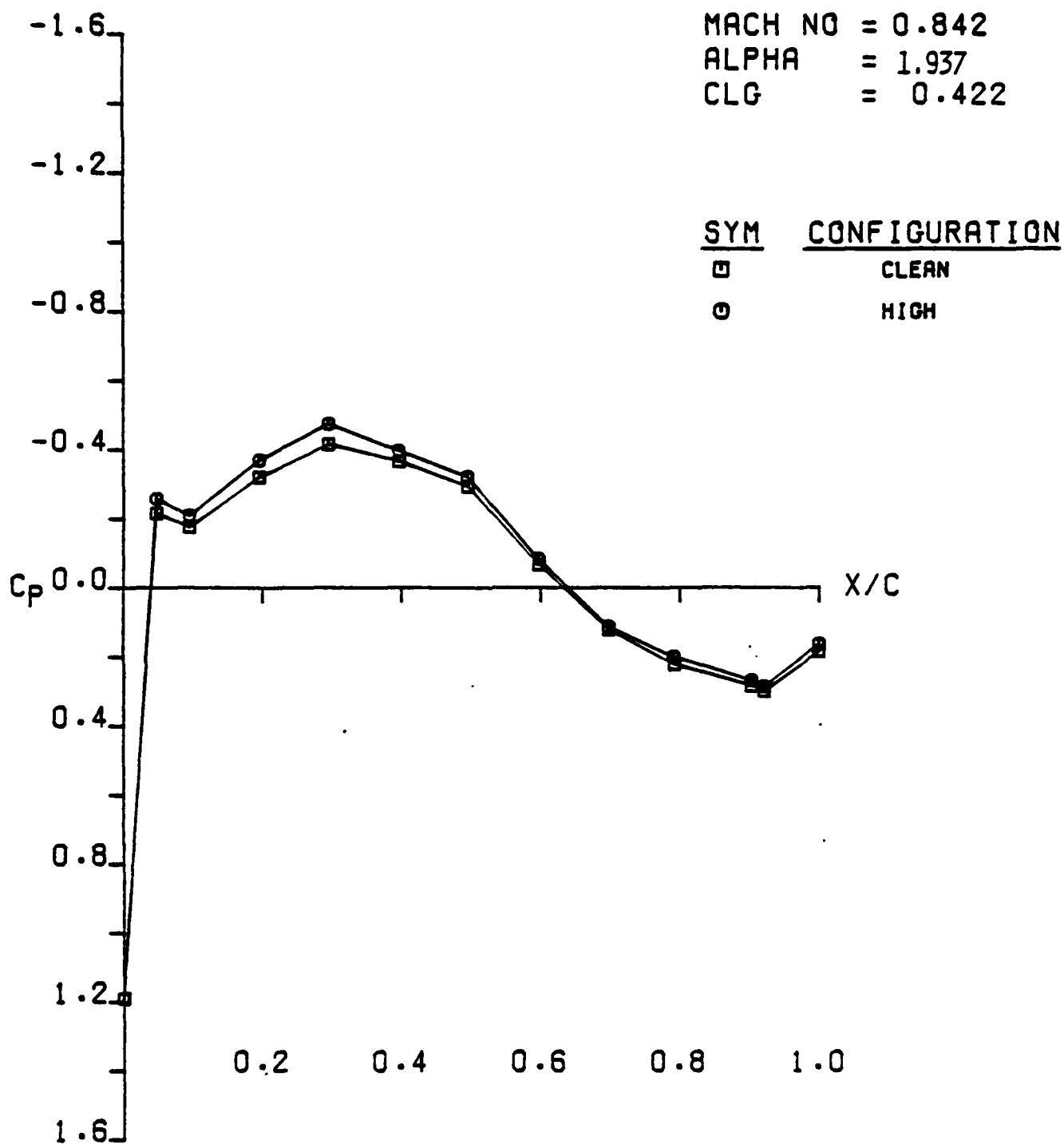
LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
 CLN VS HIGH (LWR SURF ETA .30)
 AFOSR SEMISPAN MODEL A



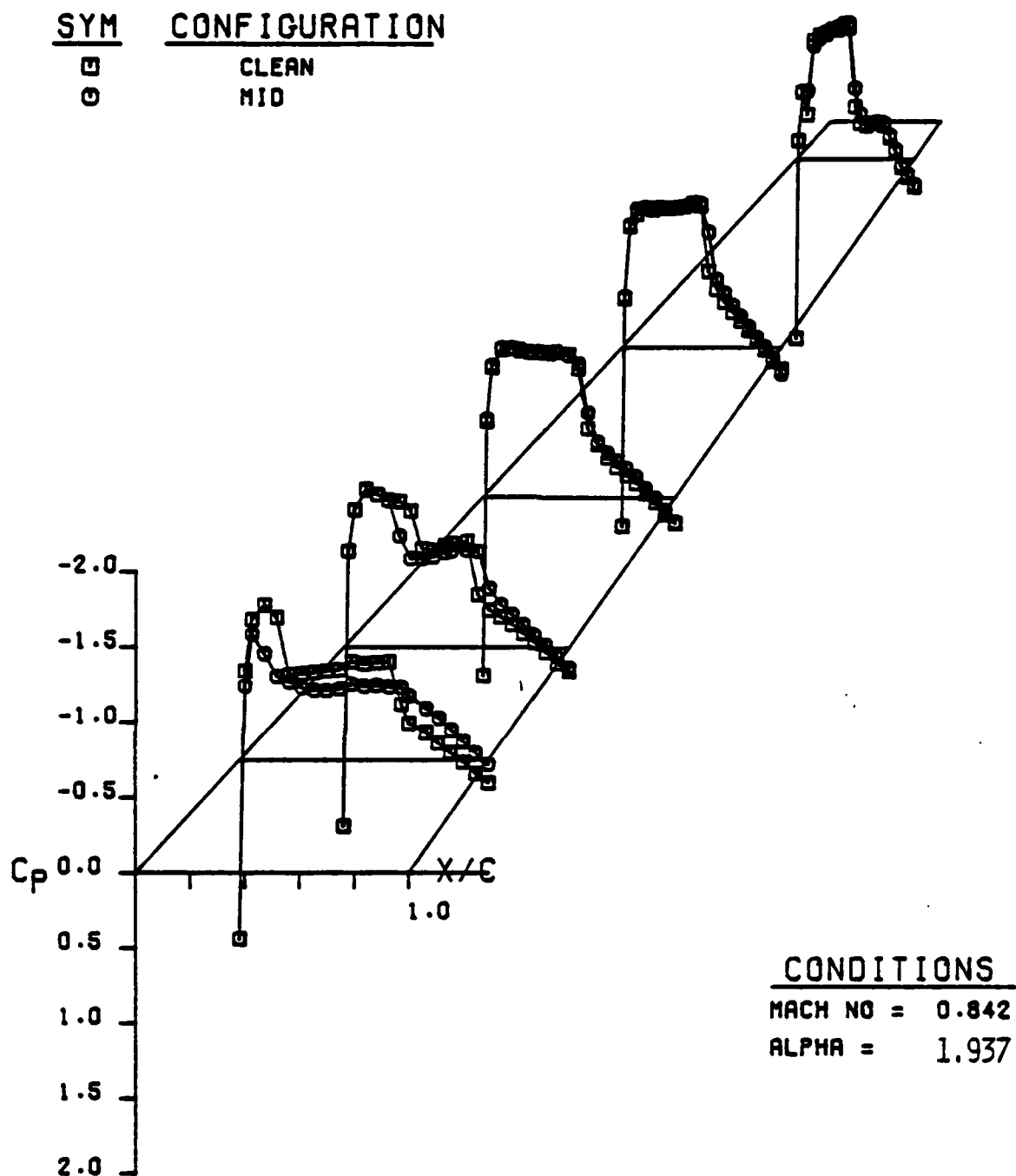
LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
CLN VS HIGH (LWR SURF ETA .50)
AFOSR SEMISPAN MODEL A



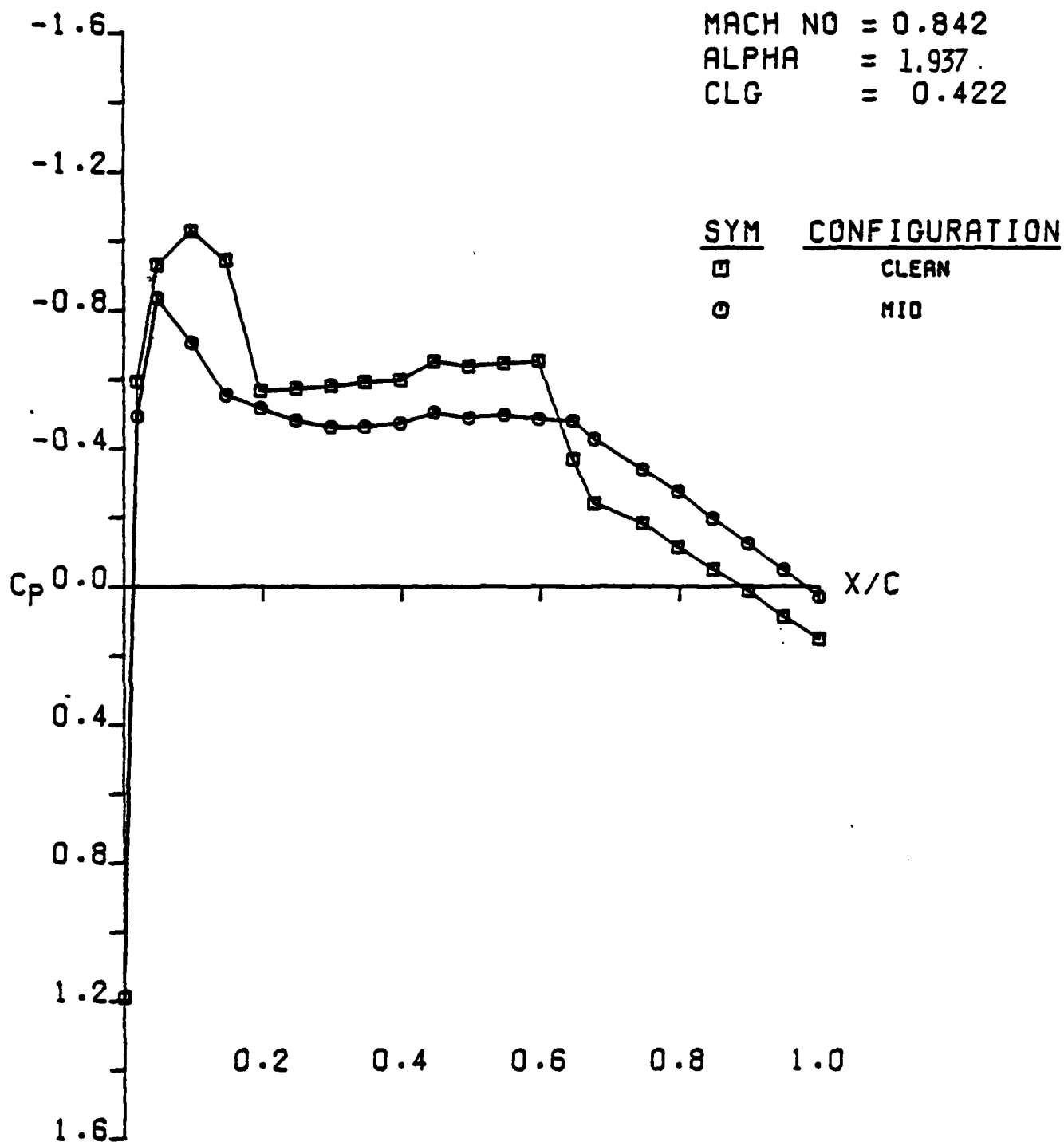
LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
 CLN VS HIGH (LWR SURF ETA .70)
 AFOSR SEMISPAN MODEL A



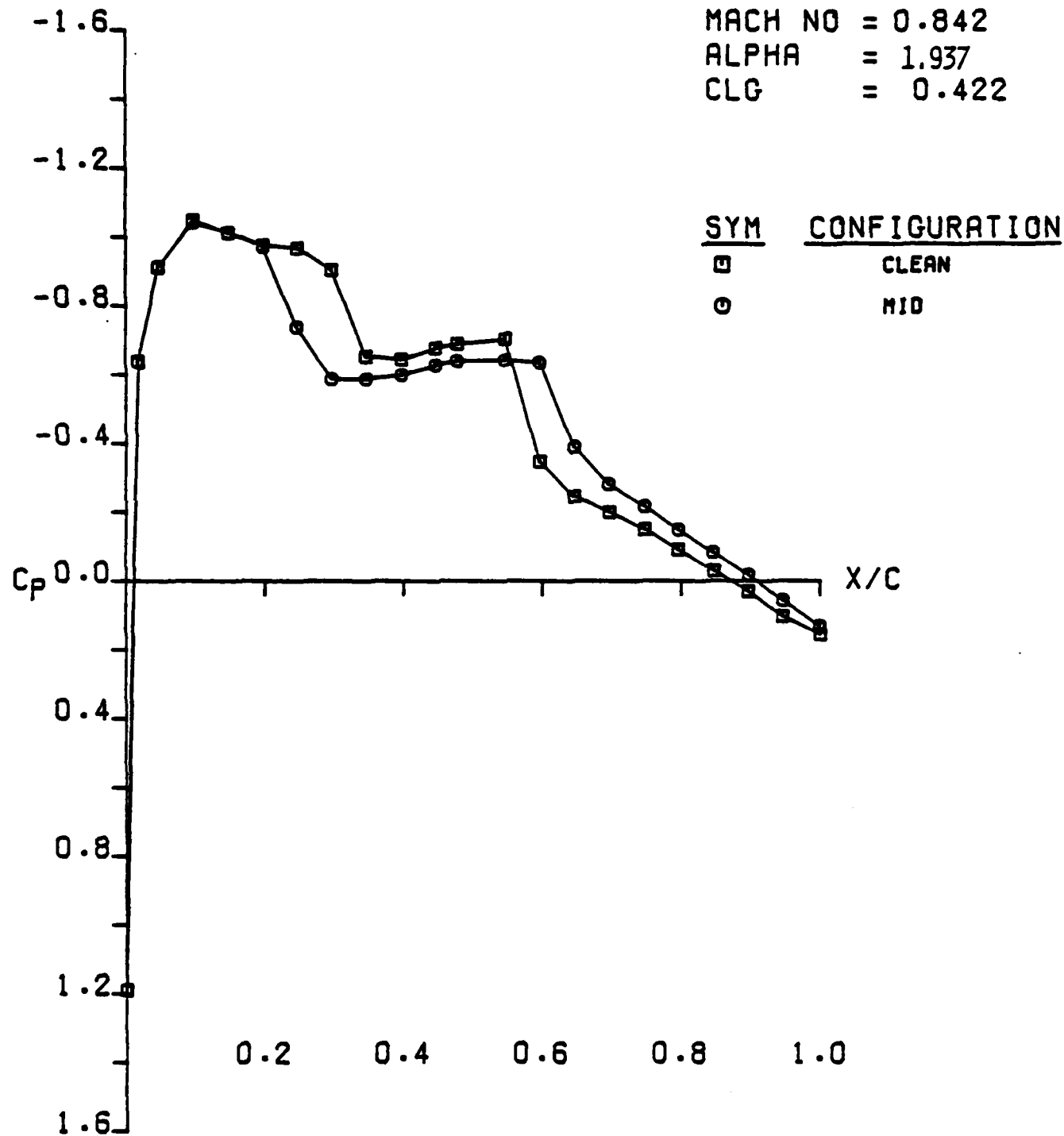
LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
 CLN VS HIGH (LWR SURF ETA .95)
 AFOSR SEMISPAN MODEL A



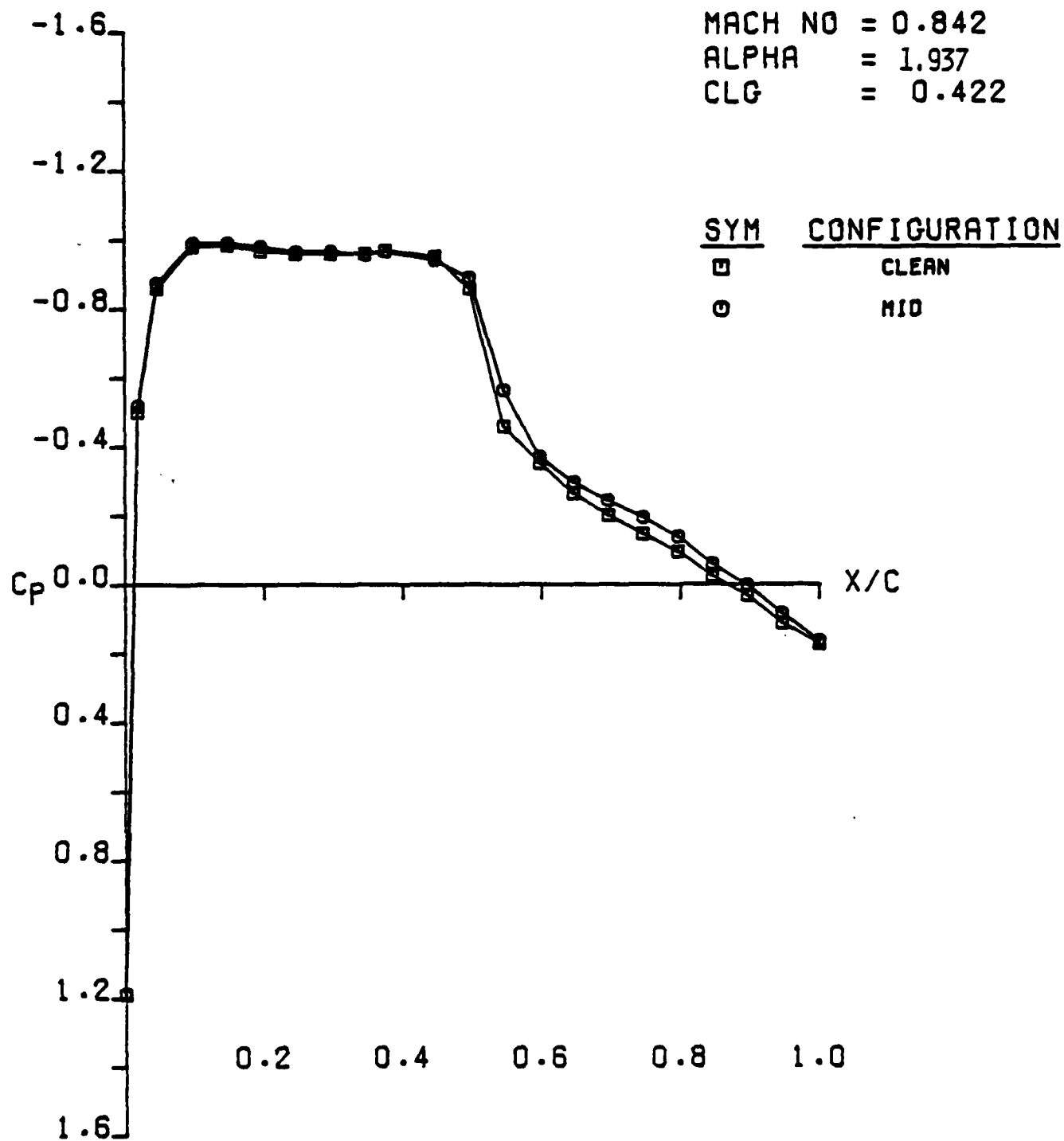
LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
 CLN VS MID (UPR SURF)
 AFOSR SEMISPAN MODEL A



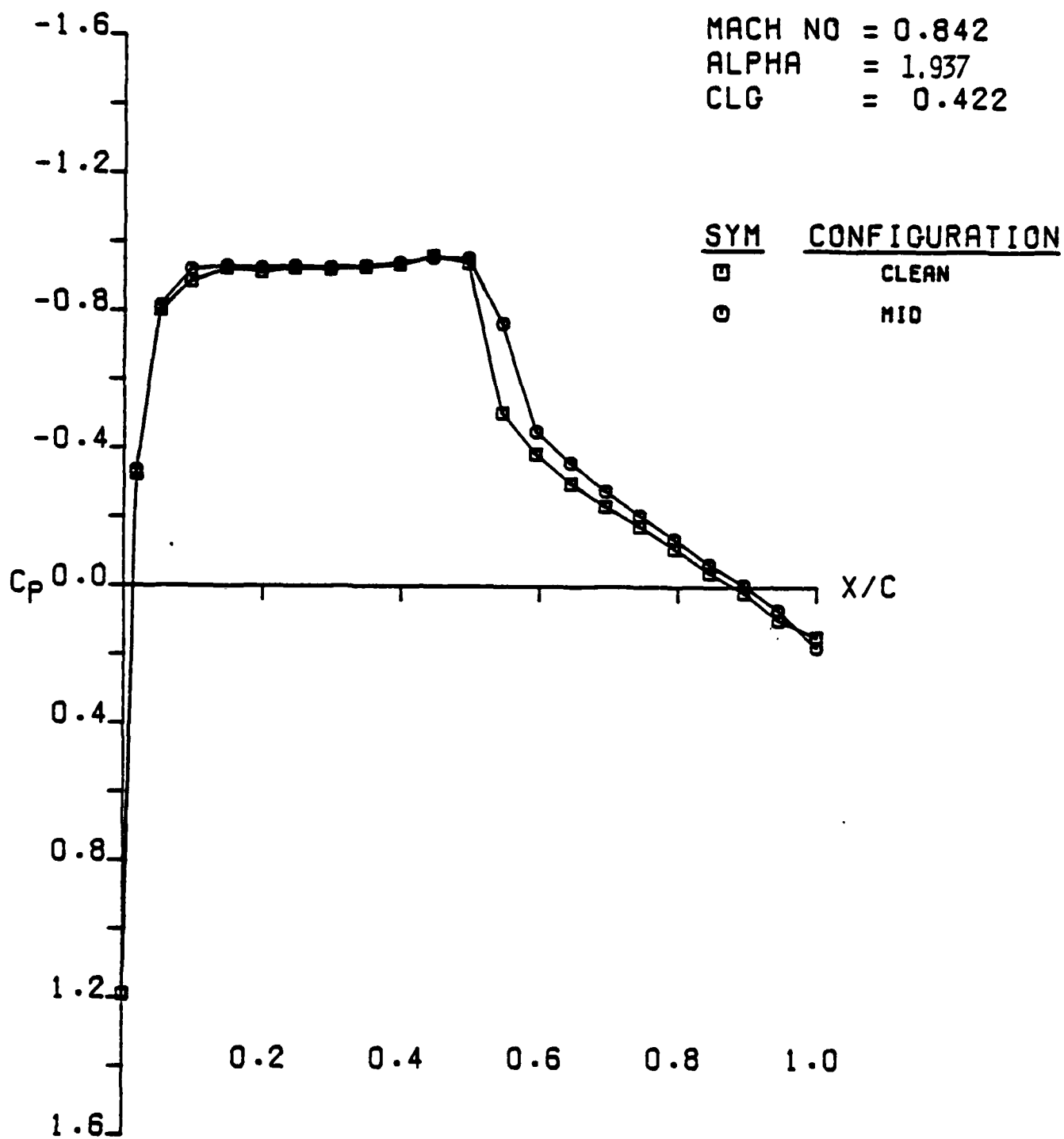
LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
CLN VS MID (UPR SURF ETA .15)
AFOSR SEMISPAN MODEL A



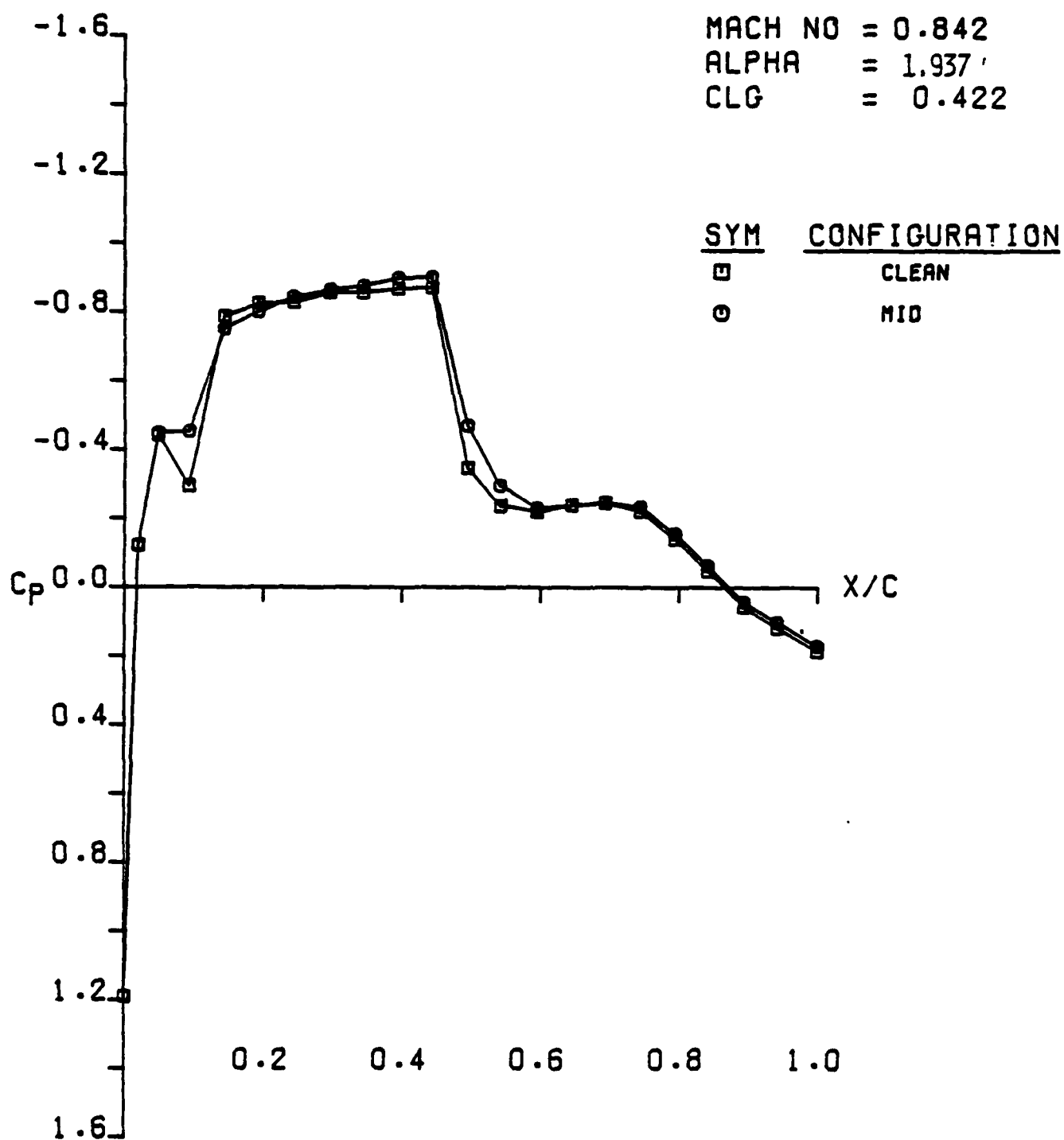
LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
 CLN VS MID (UPR SURF ETA .30)
 AFOSR SEMISPAN MODEL A



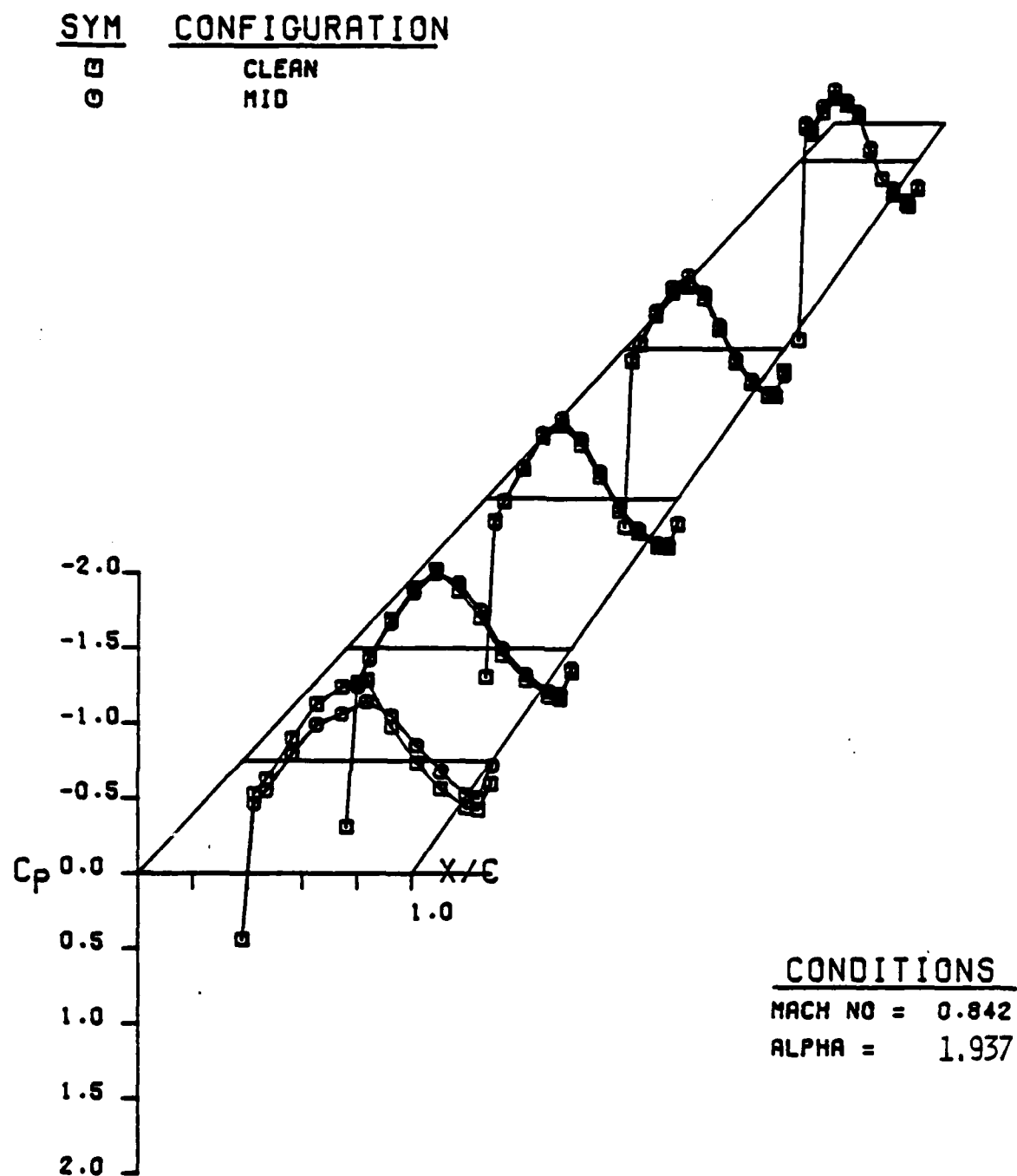
LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
CLN VS MID (UPR SURF ETA .50)
AFOSR SEMISPAN MODEL A



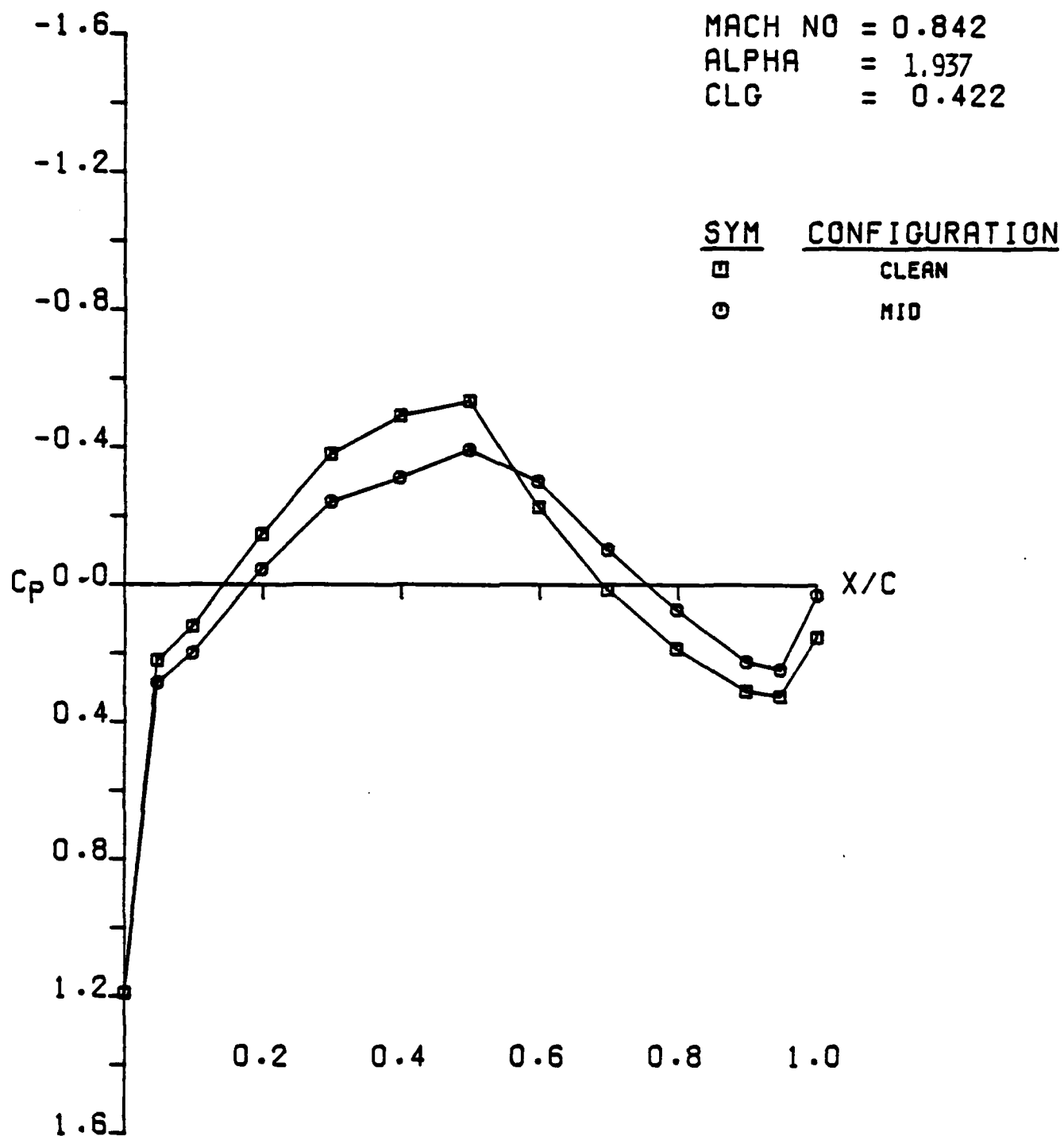
LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
 CLN VS MID (UPR SURF ETA .70)
 AFOSR SEMISPAN MODEL A



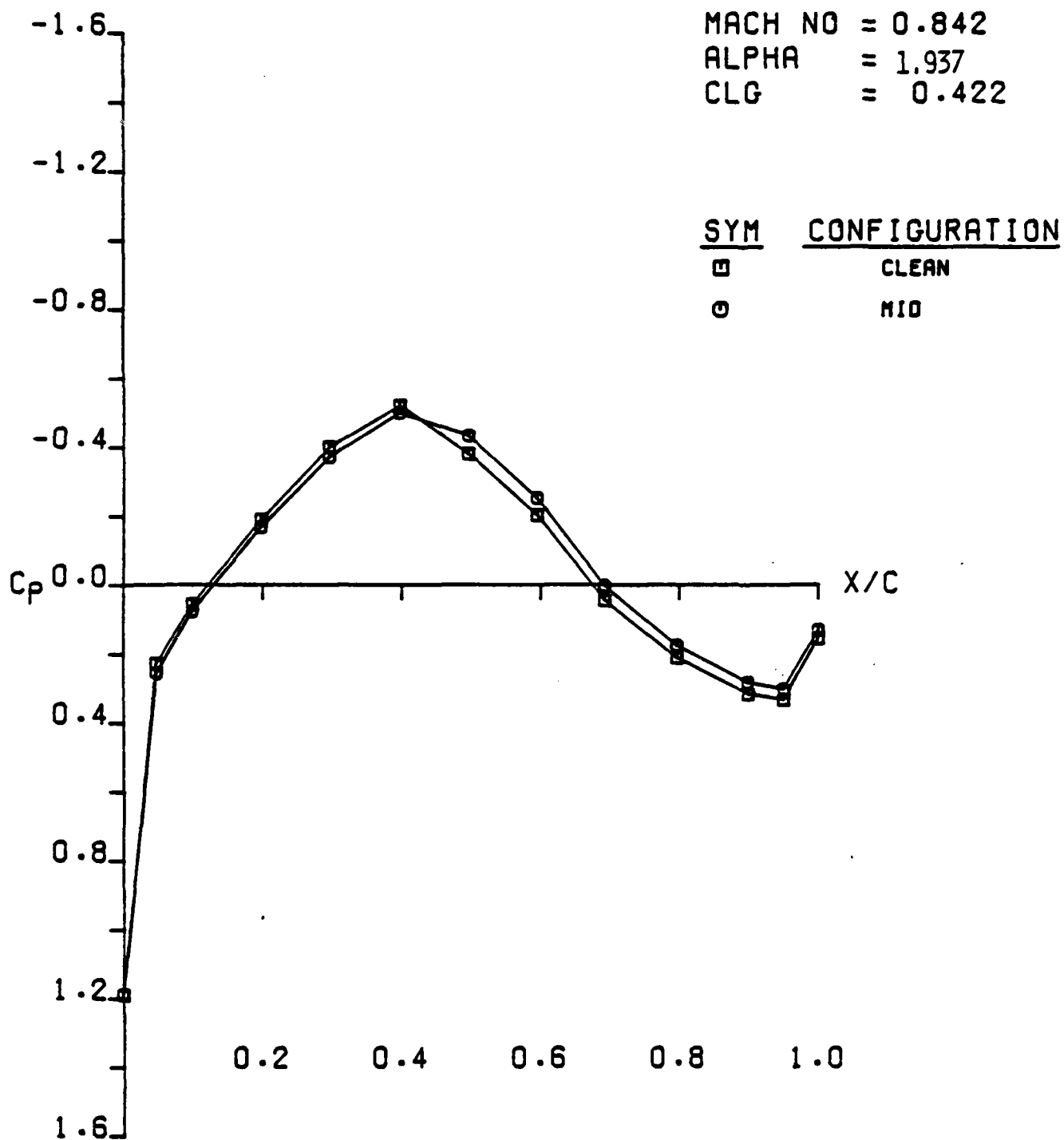
LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
 CLN VS MID (UPR SURF ETA .95)
 AFOSR SEMISPAN MODEL A



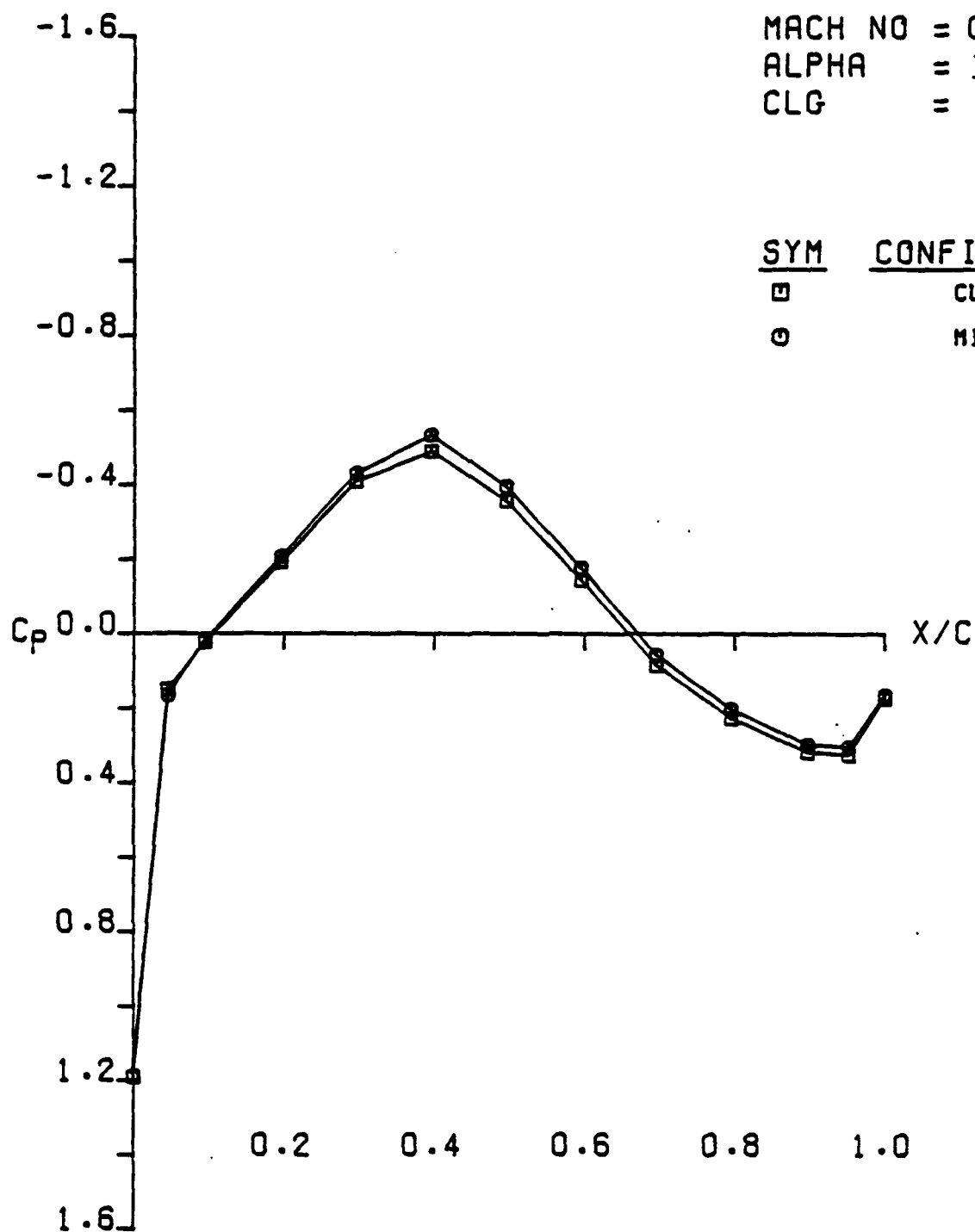
LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
 CLN VS MID (LWR SURF)
 AFOSR SEMISPAN MODEL A



LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
CLN VS MID (LWR SURF ETA .15)
AFOSR SEMISPAN MODEL A



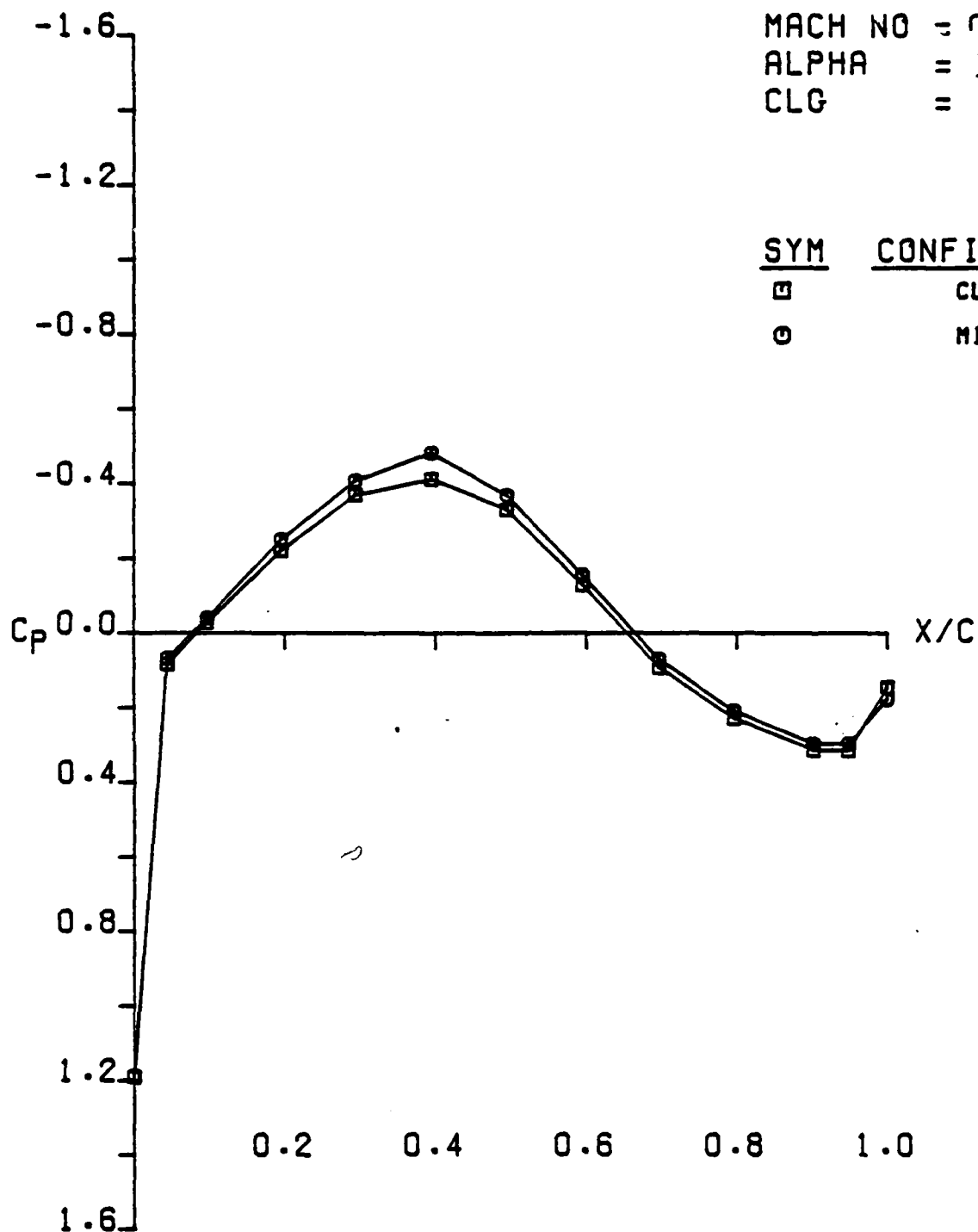
LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
 CLN VS MID (LWR SURF ETA .30)
 AFOSR SEMISPAN MODEL A



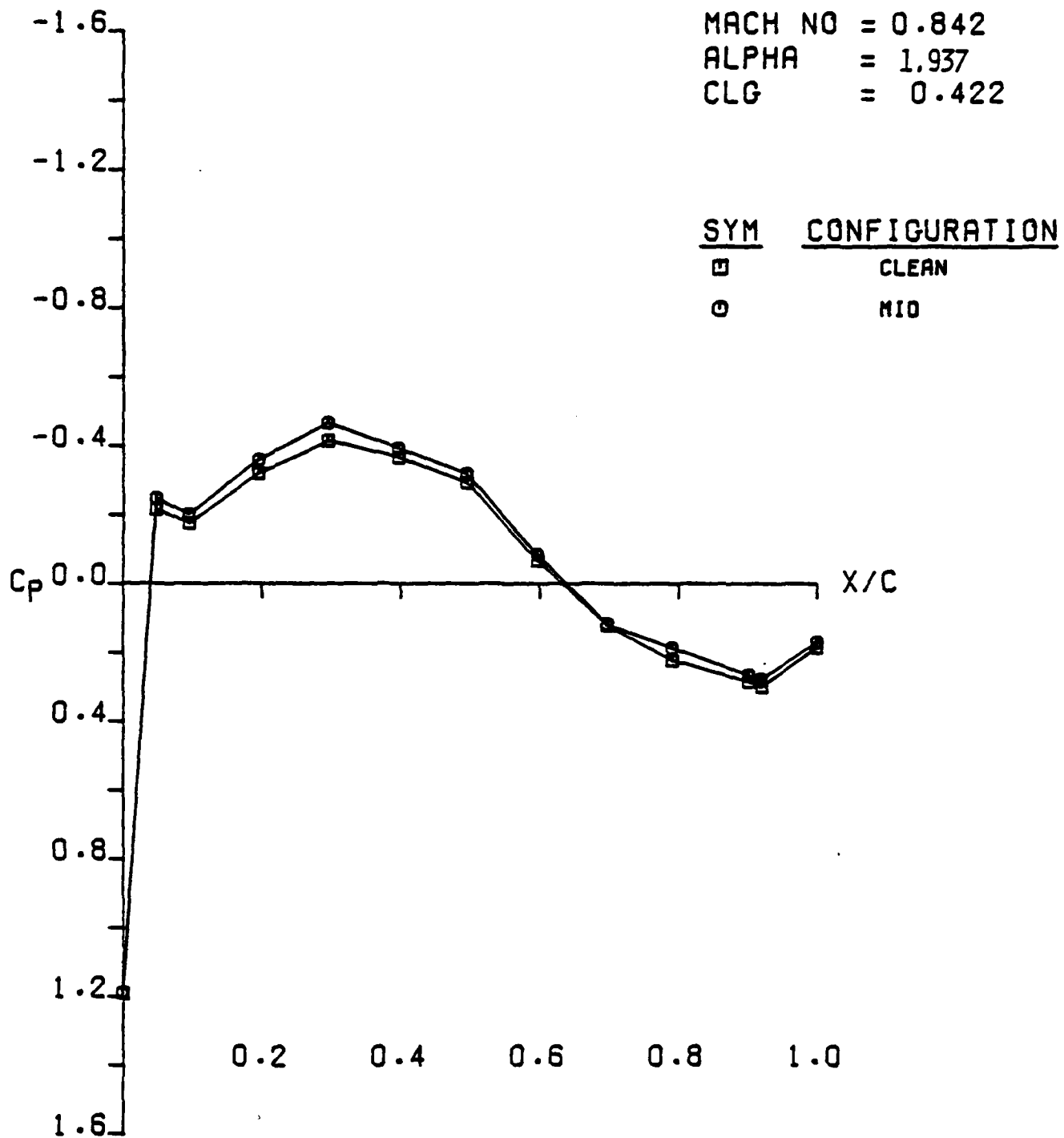
MACH NO = 0.842
 ALPHA = 1.937
 CLG = 0.422

SYM	CONFIGURATION
□	CLEAN
○	MID

LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
 CLN VS MID (LWR SURF ETA .50)
 AFOSR SEMISPAN MODEL A



LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
 CLN VS MID (LWR SURF ETA .70)
 AFOSR SEMISPAN MODEL A

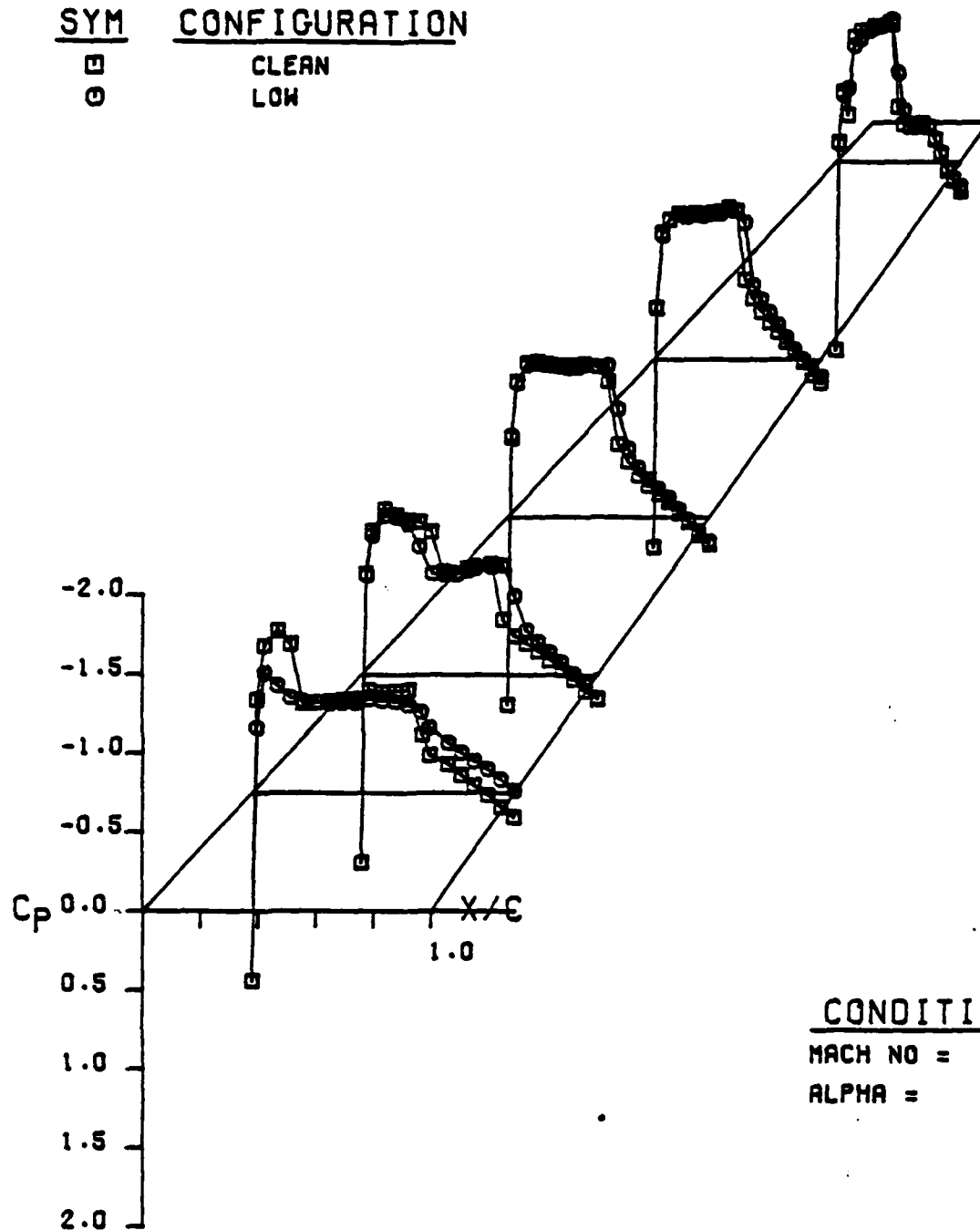


LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
 CLN VS MID (LWR SURF ETA .95)
 AFOSR SEMISPAN MODEL A

SYM CONFIGURATION

□
○

CLEAN
LOW

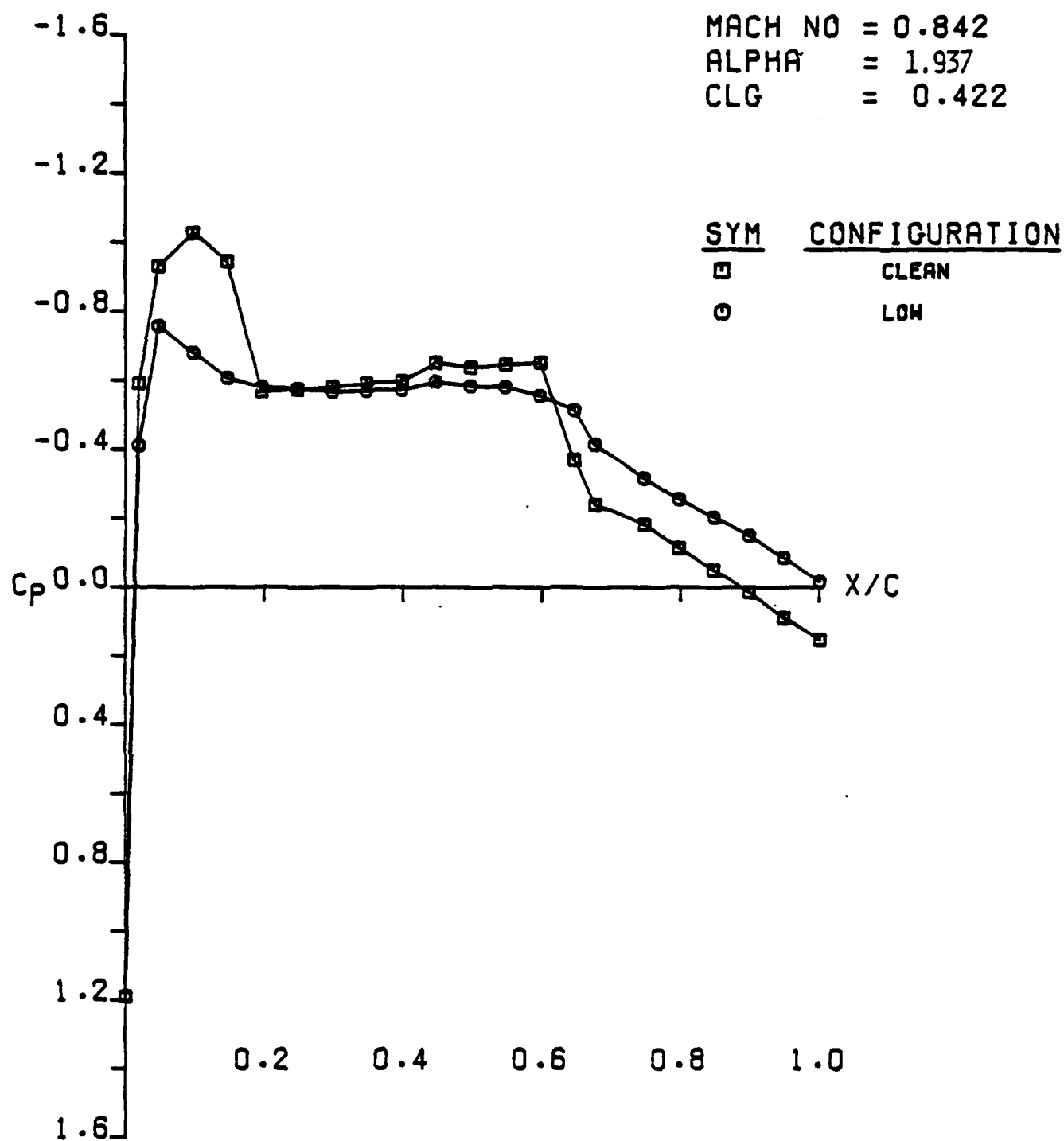


CONDITIONS

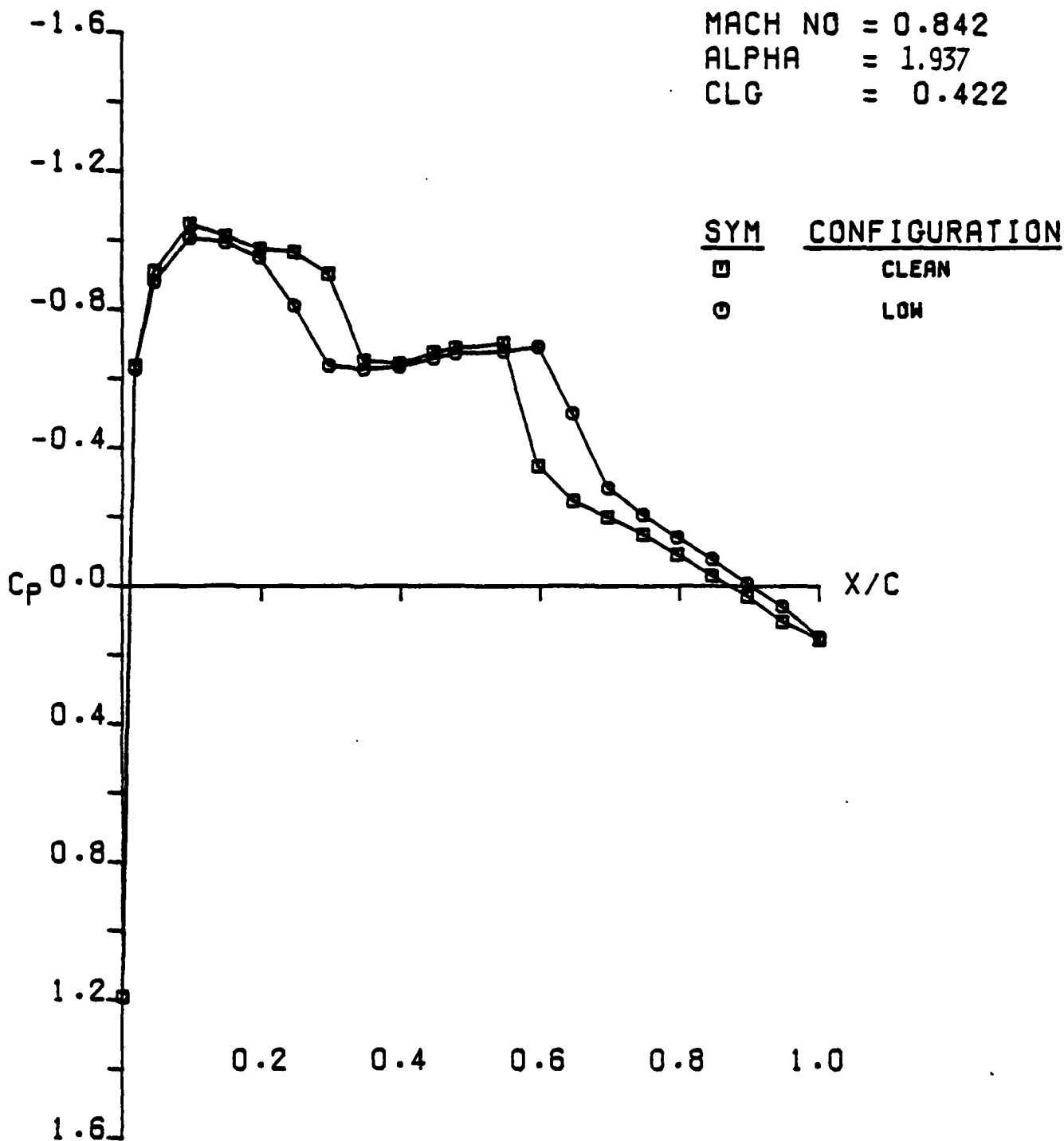
MACH NO = 0.842

ALPHA = 1.937

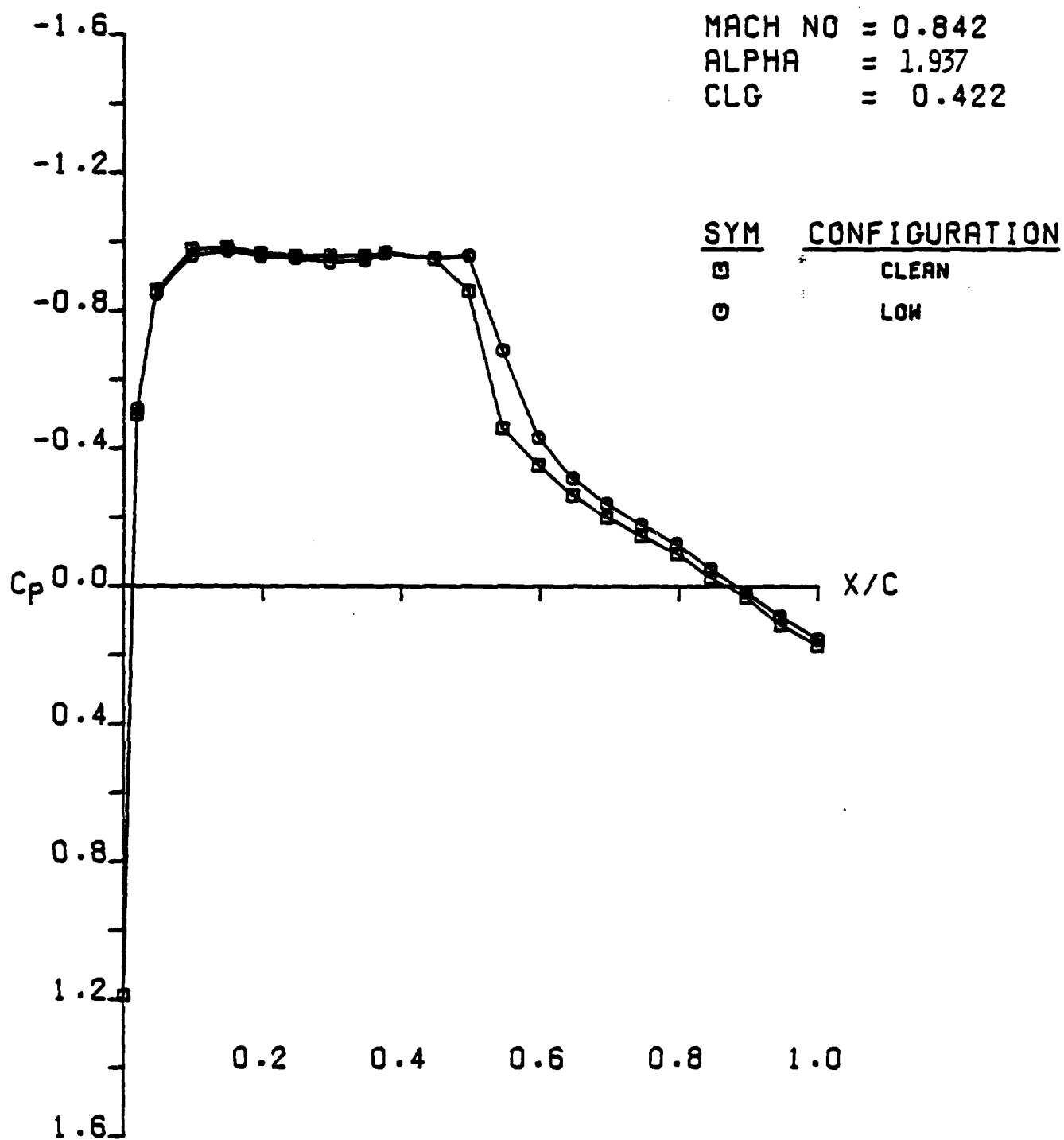
LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
CLN VS LOW (UPR SURF)
AFOSR SEMISPAN MODEL A



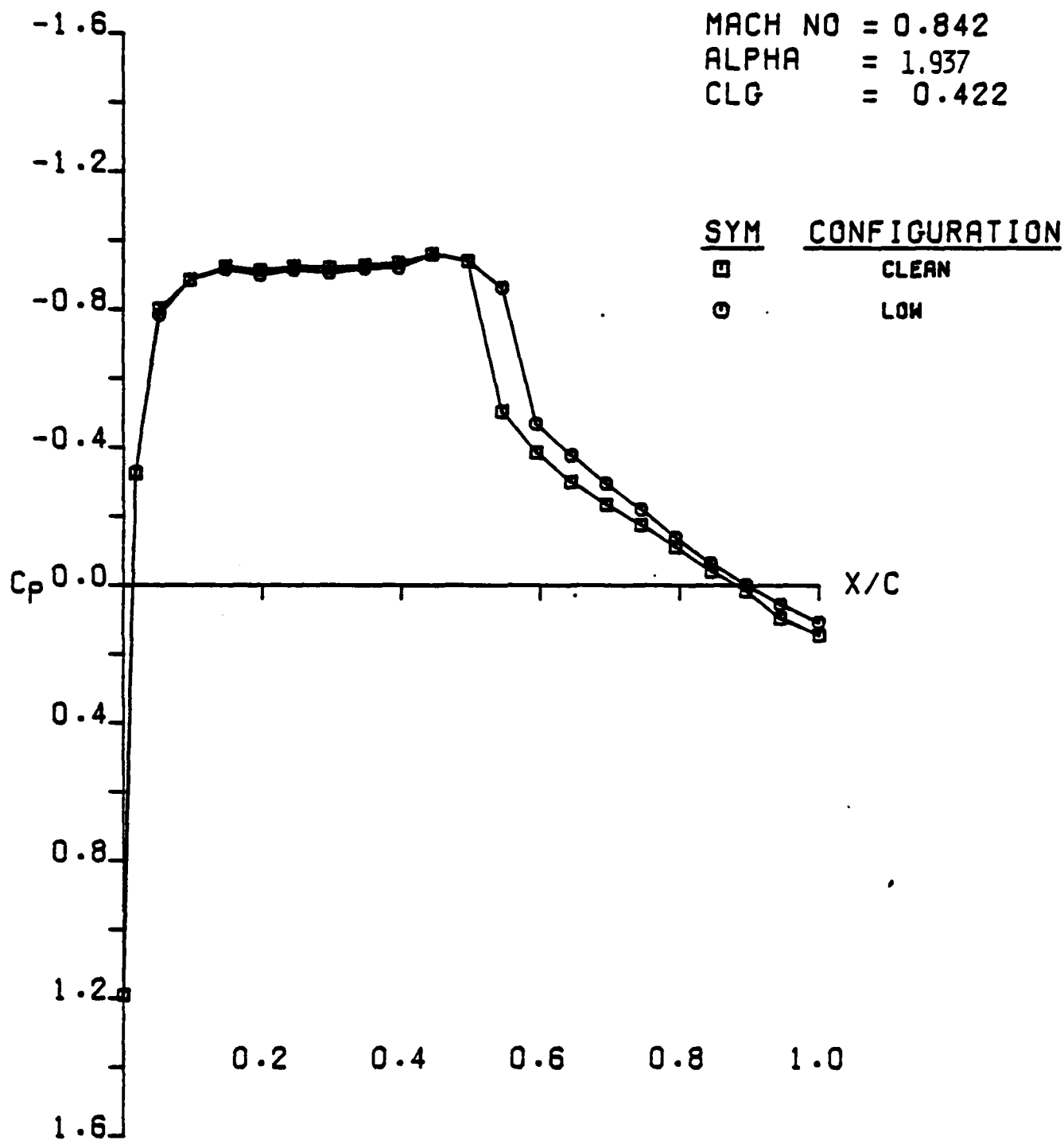
LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
CLN VS LOW (UPR SURF ETA .15)
AFOSR SEMISPAN MODEL A



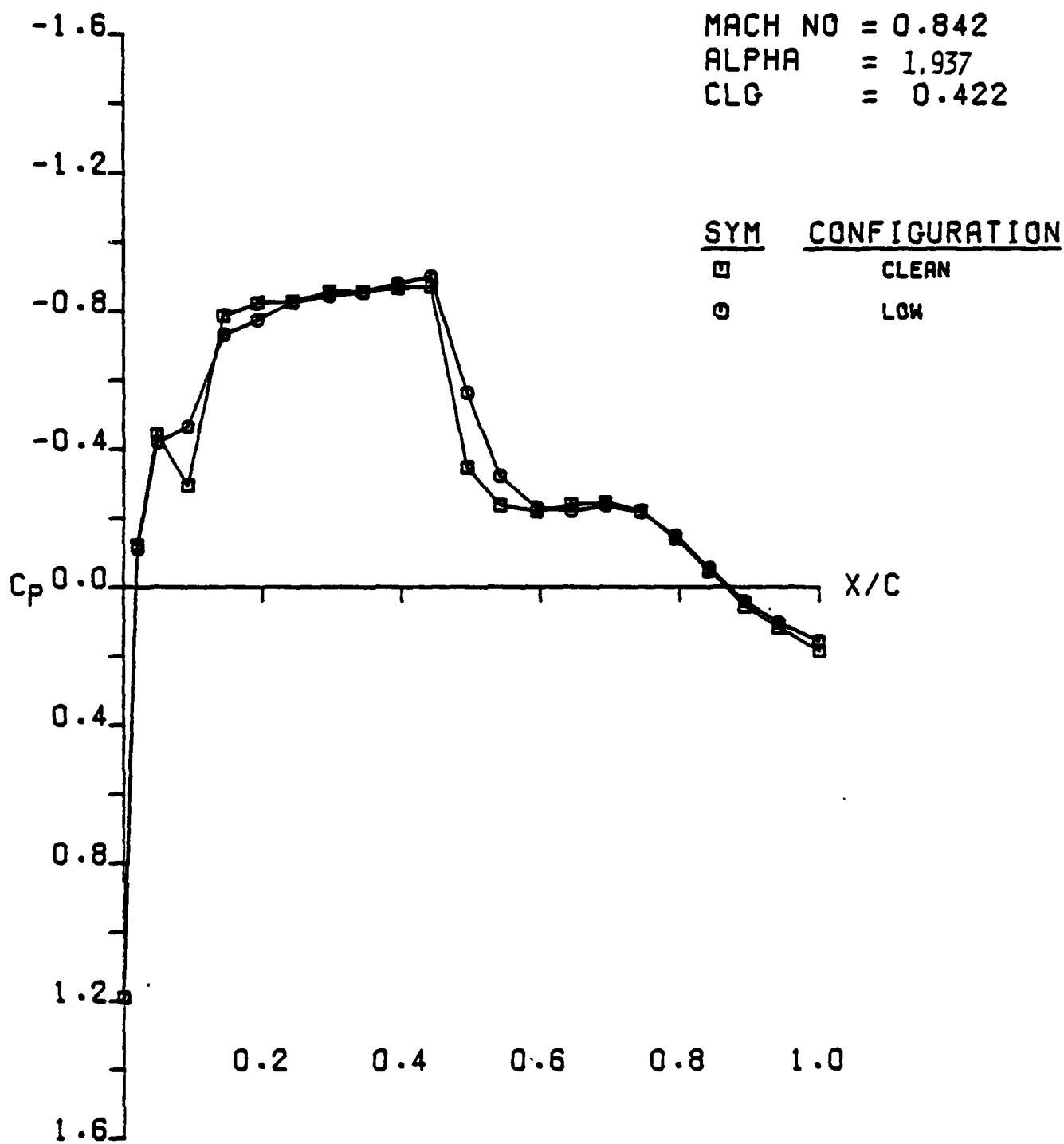
LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
 CLN VS LOW (UPR SURF ETA .30)
 AFOSR SEMISPAN MODEL A



LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
CLN VS LOW (UPR SURF ETA .50)
AFOSR SEMISPAN MODEL A



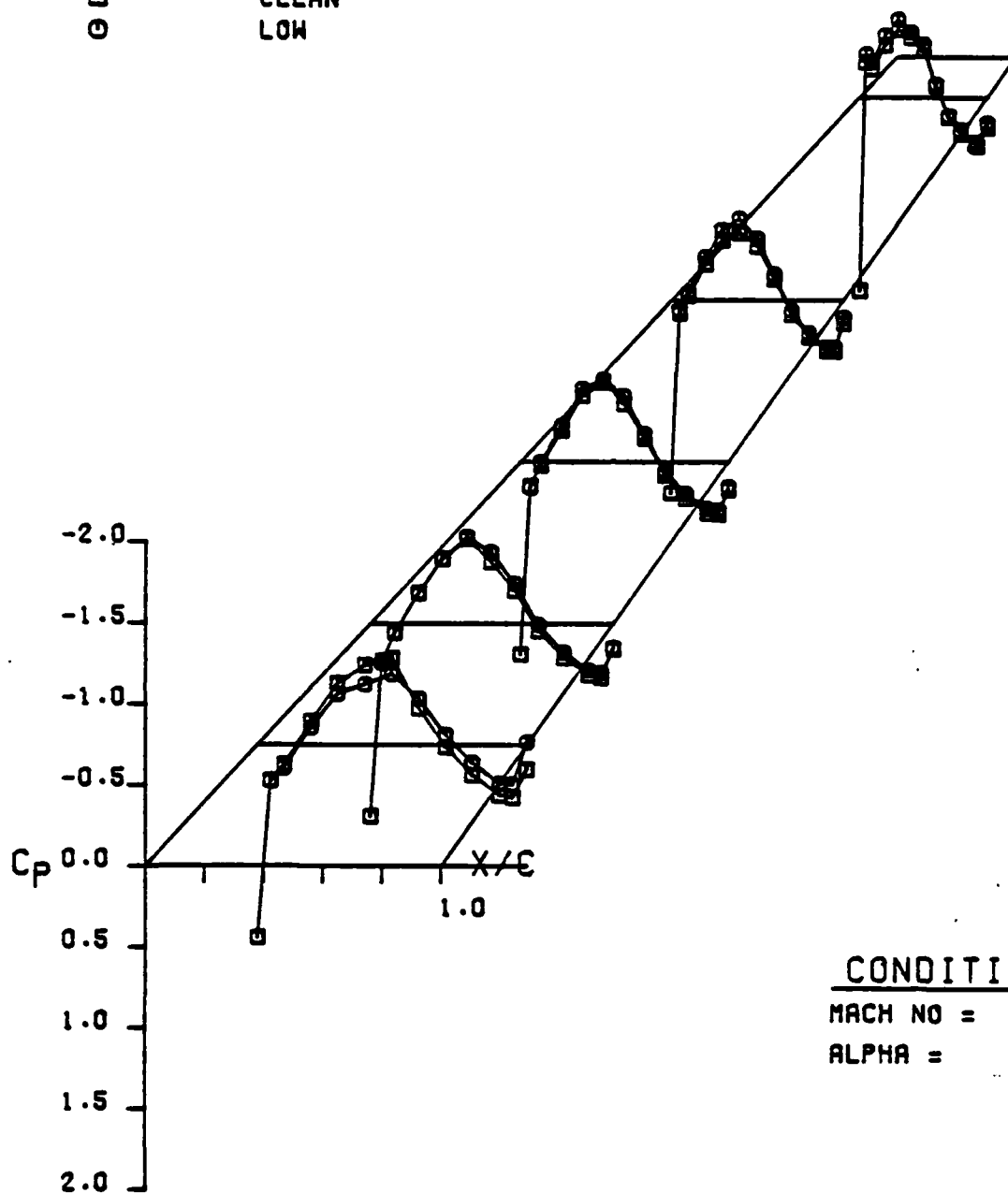
LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
CLN VS LOW (UPR SURF ETA .70)
AFOSR SEMISPAN MODEL A



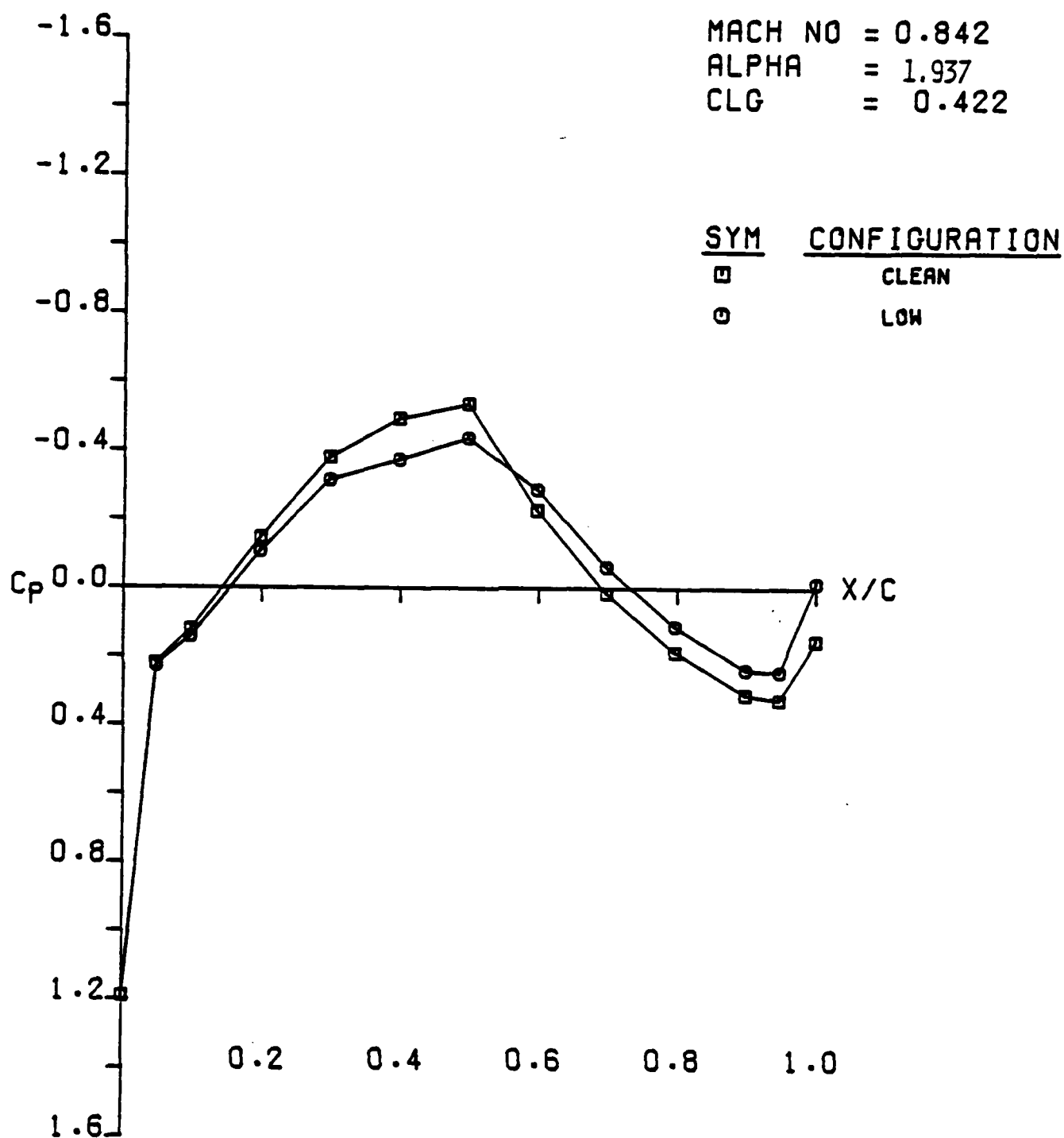
LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
 CLN VS LOW (UPR SURF ETA .95)
 AFOSR SEMISPAN MODEL A

<u>SYM</u>	<u>CONFIGURATION</u>
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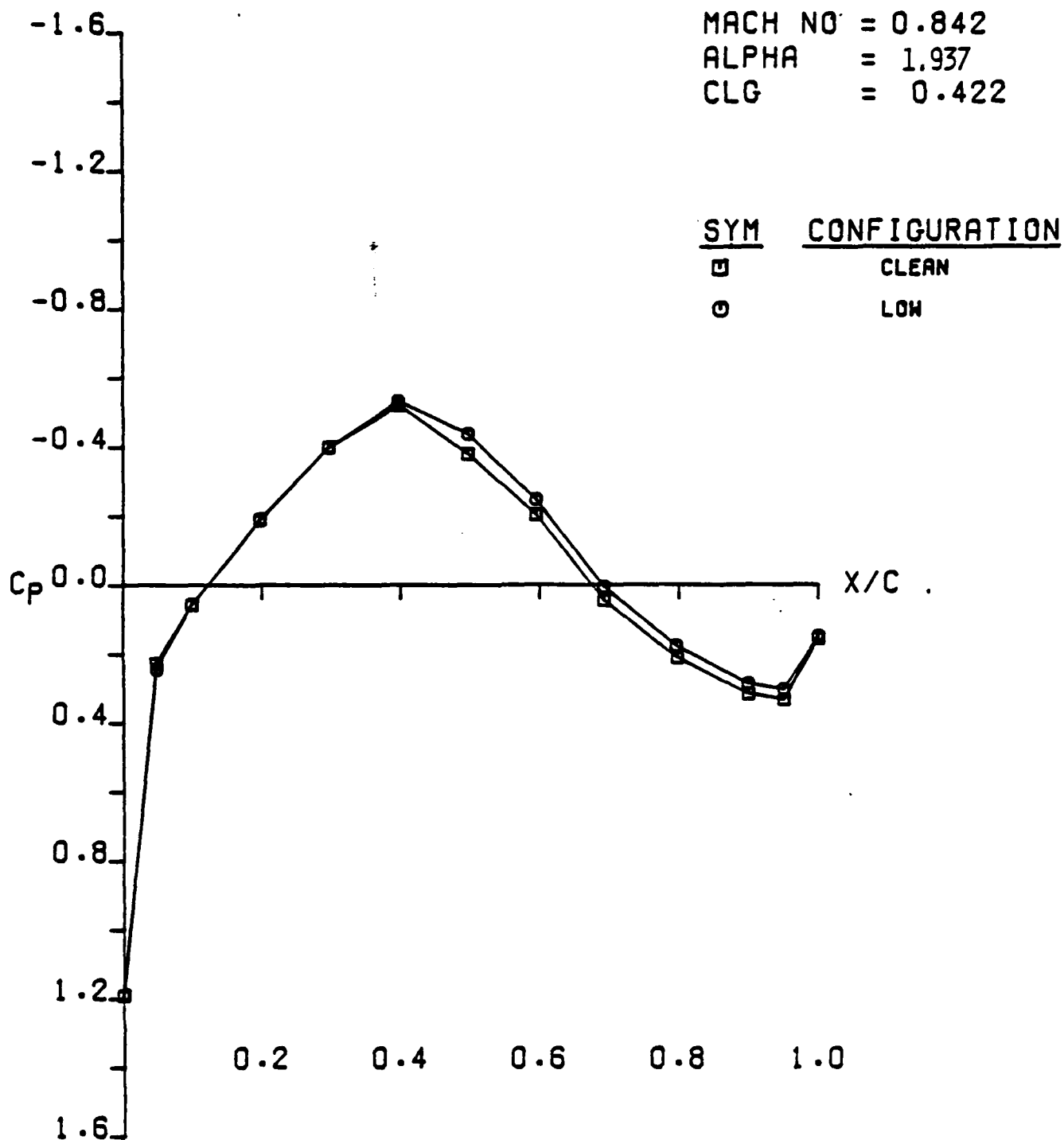
□	CLEAN
○	LOW



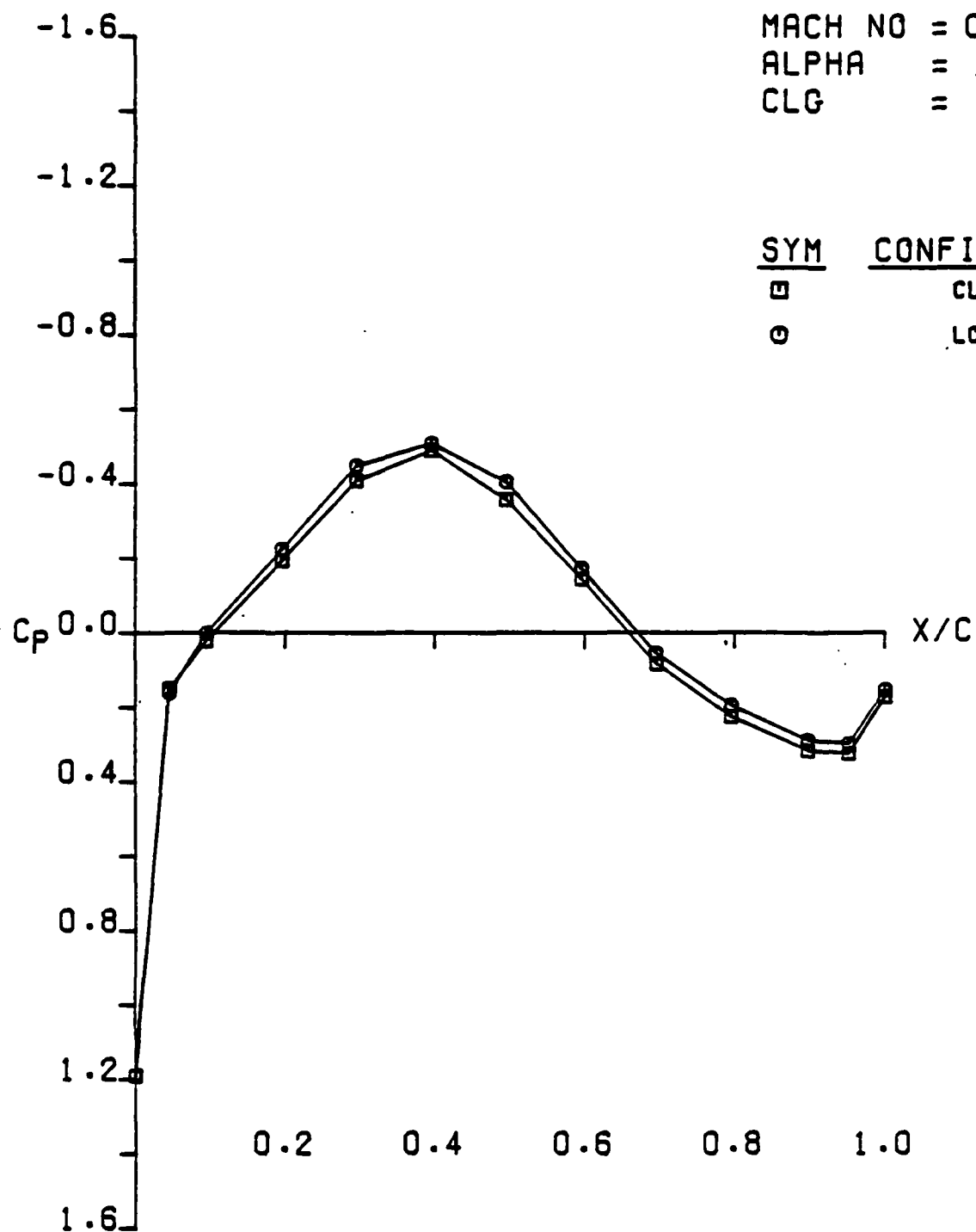
LOCKHEED CFWT SEMI-SPAN TEST. RUN 38
 CLN VS LOW (LWR SURF)
 AFOSR SEMISPAN MODEL A



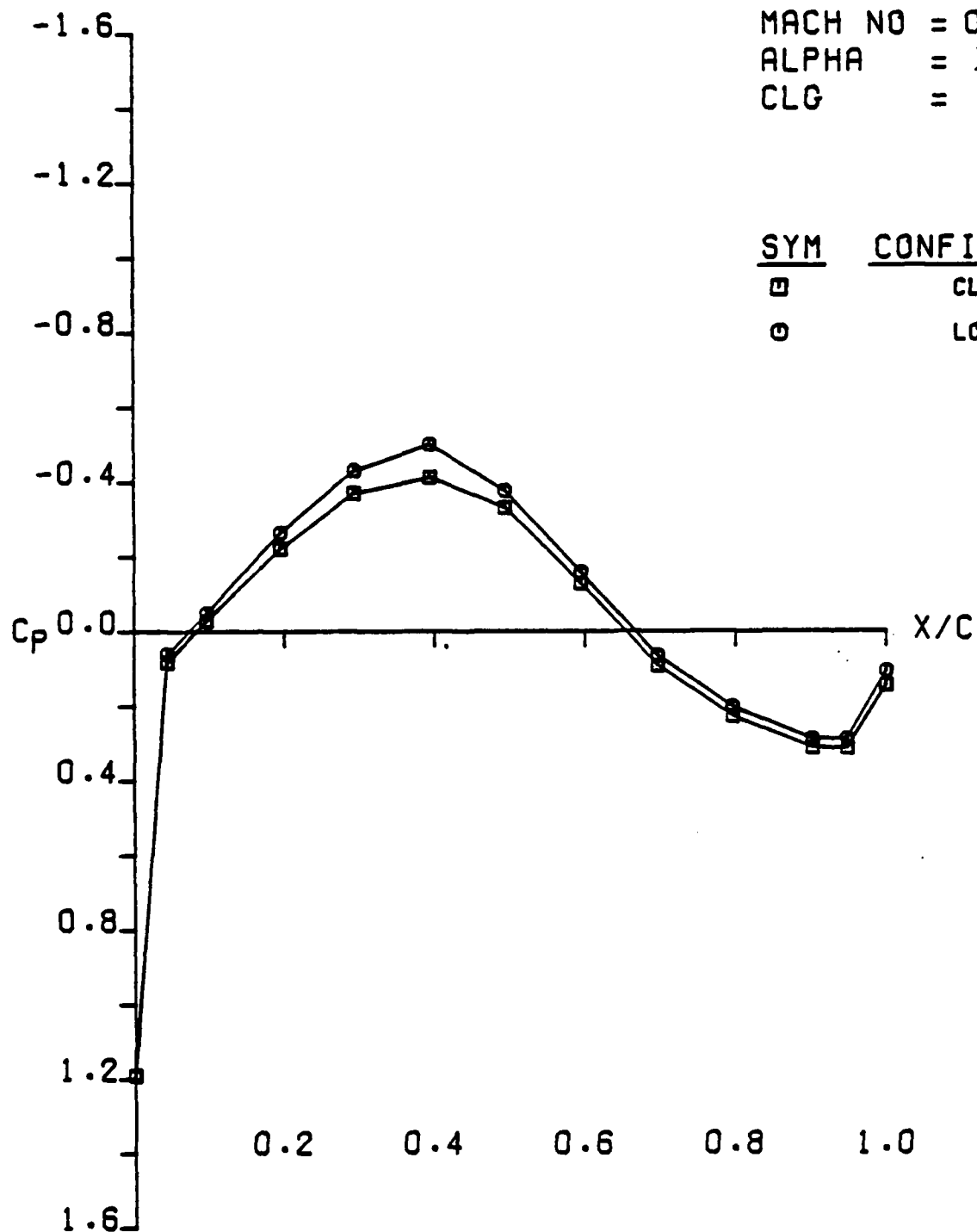
LOCKHEED-CFWT SEMI-SPAN TEST, RUN 38
CLN VS LOW (LWR SURF ETA .15)
AFOSR SEMISPAN MODEL A



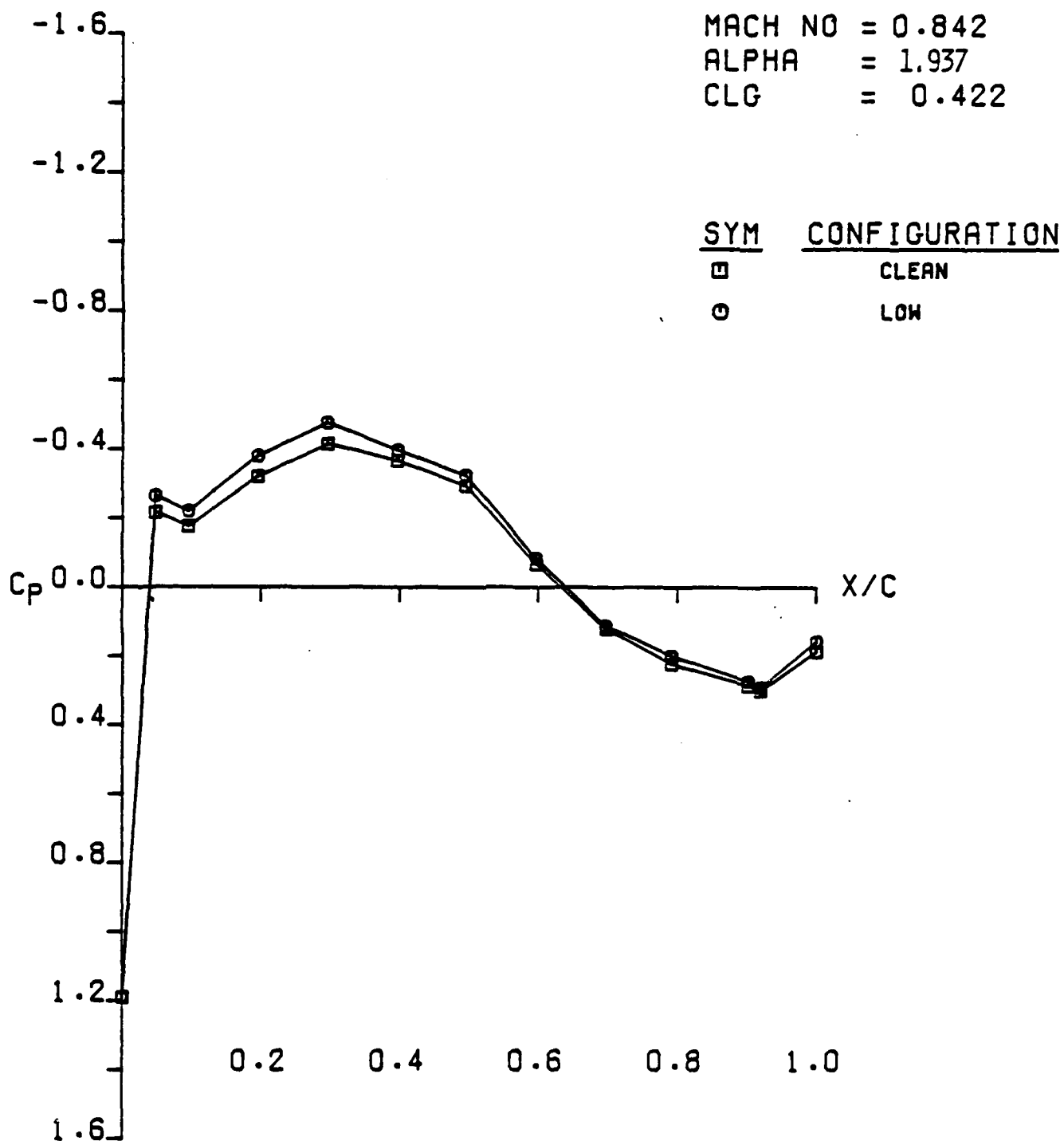
LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
 CLN VS LOW (LWR SURF ETA .30)
 AFOSR SEMISPAN MODEL A



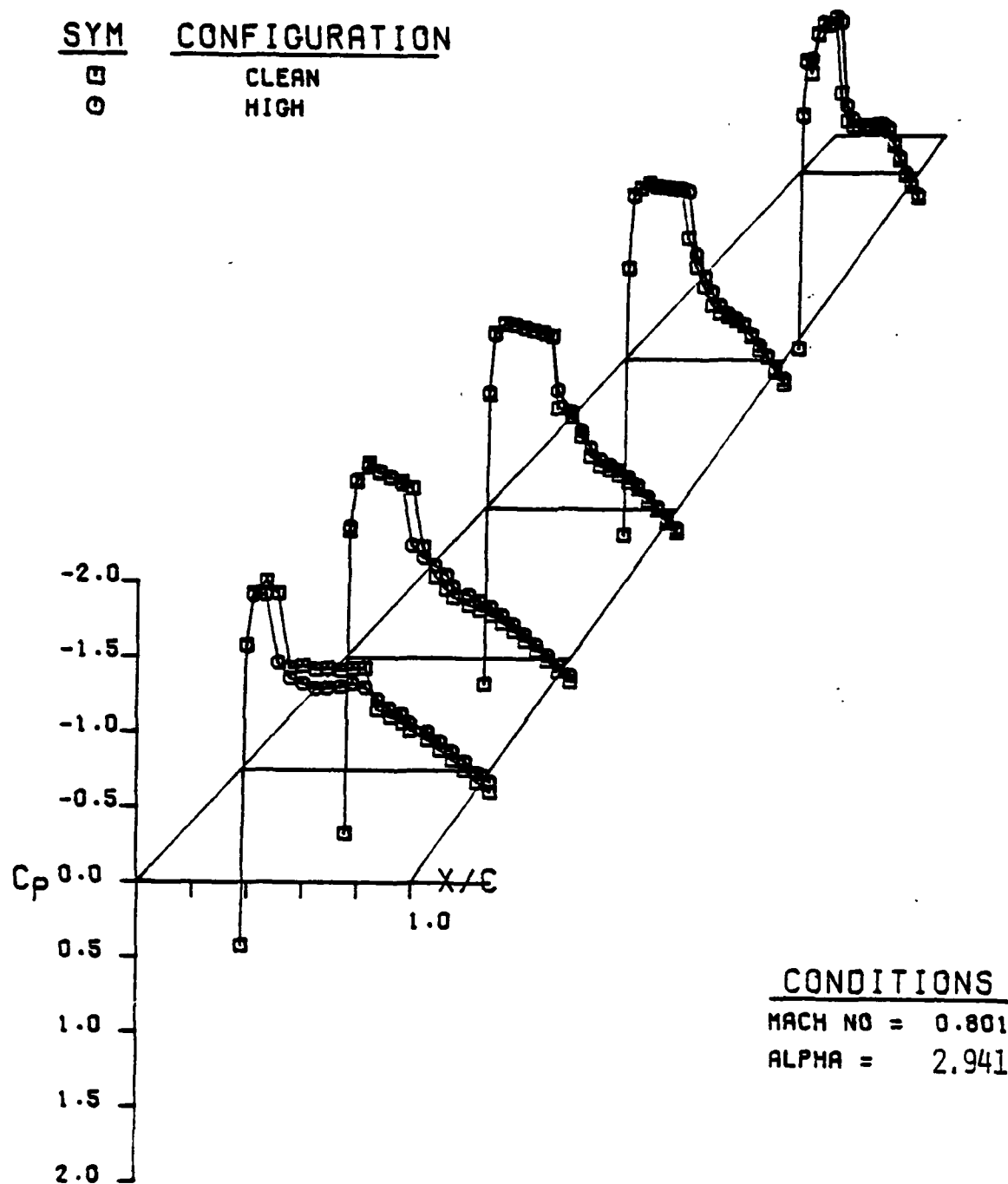
LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
 CLN VS LOW (LWR SURF ETA .50)
 AFOSR SEMISPAN MODEL A



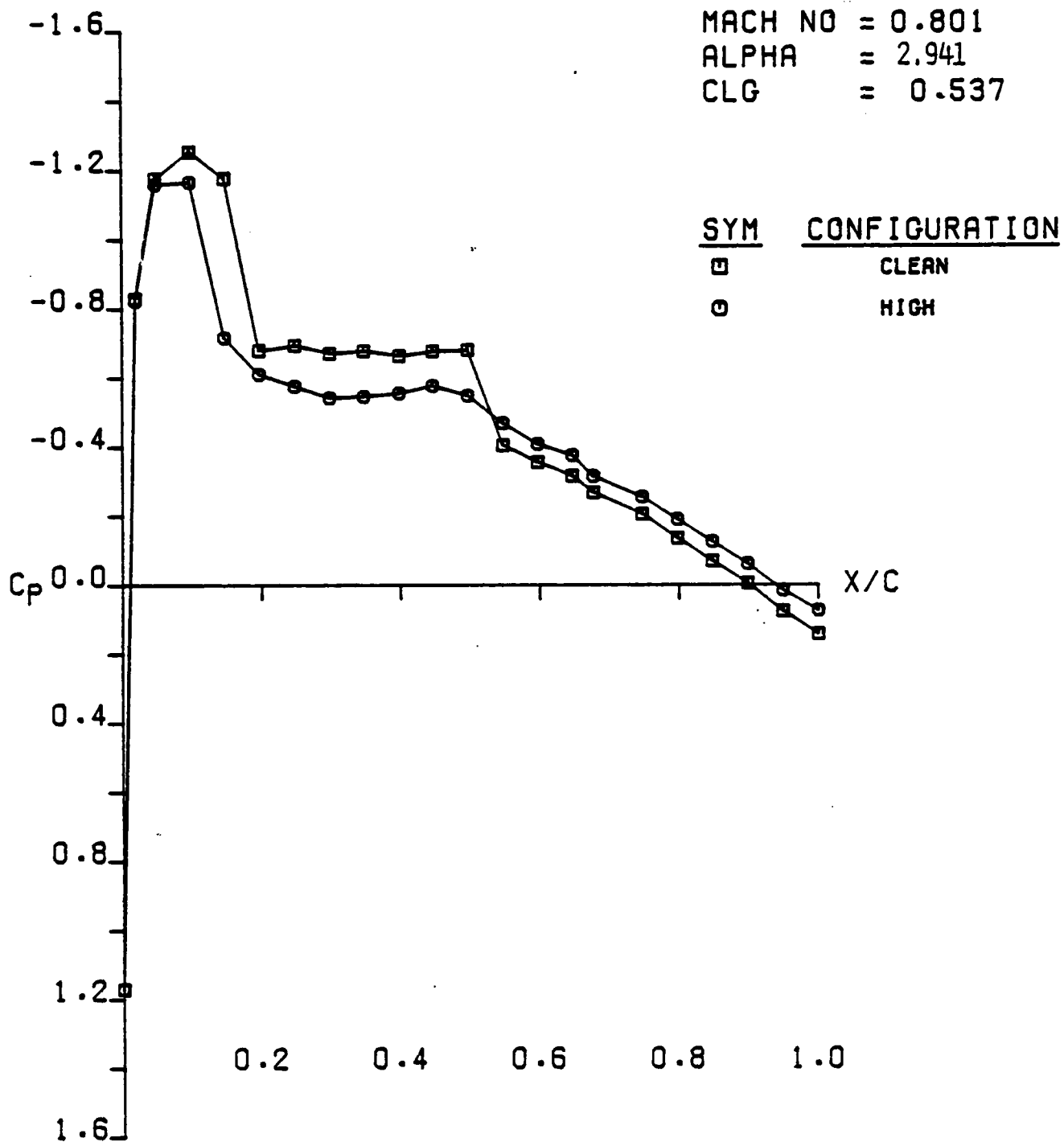
LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
 CLN VS LOW (LWR SURF ETA .70)
 AFOSR SEMISPAN MODEL A



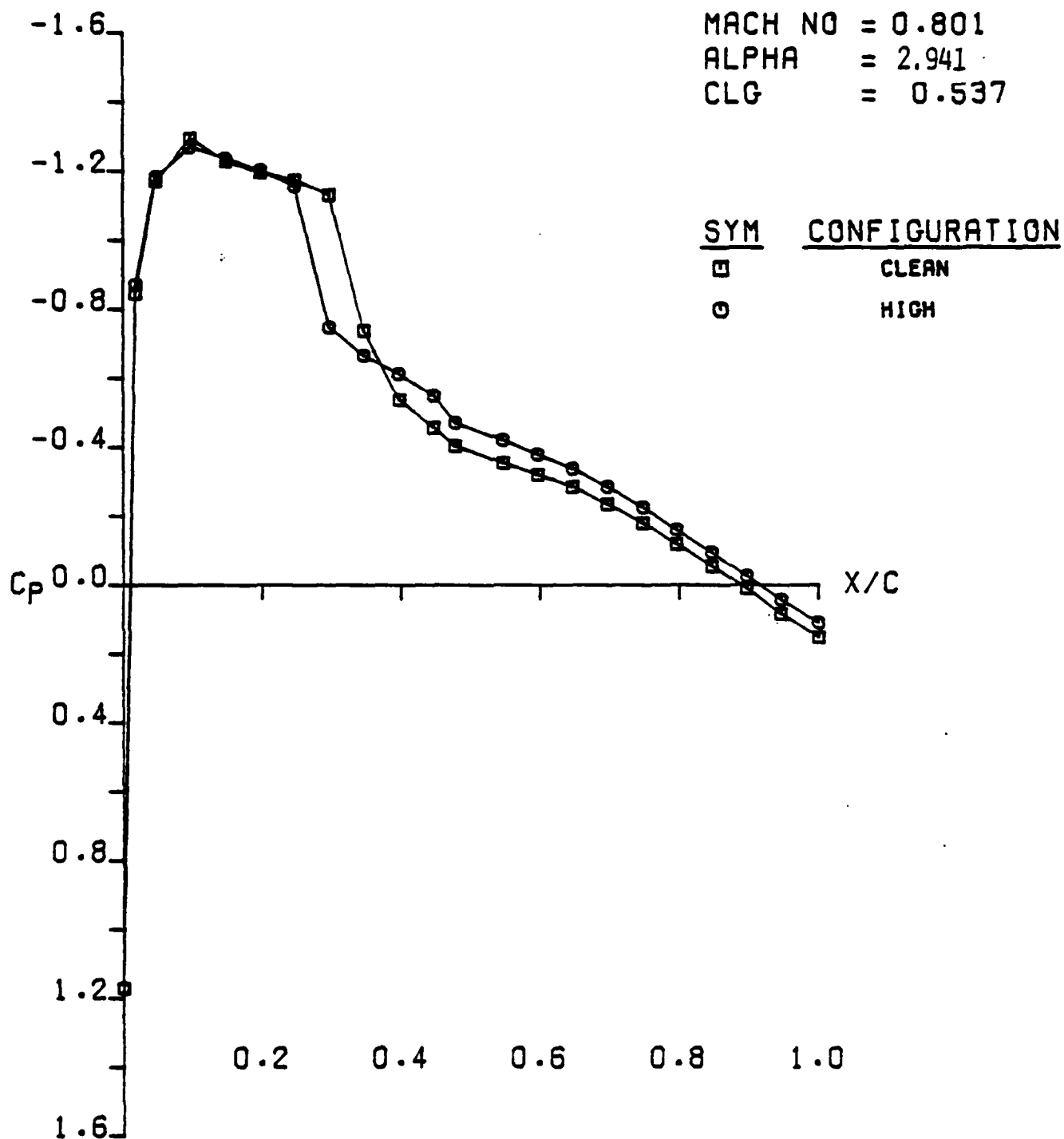
LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
 CLN VS LOW (LWR SURF ETA .95)
 AFOSR SEMISPAN MODEL A



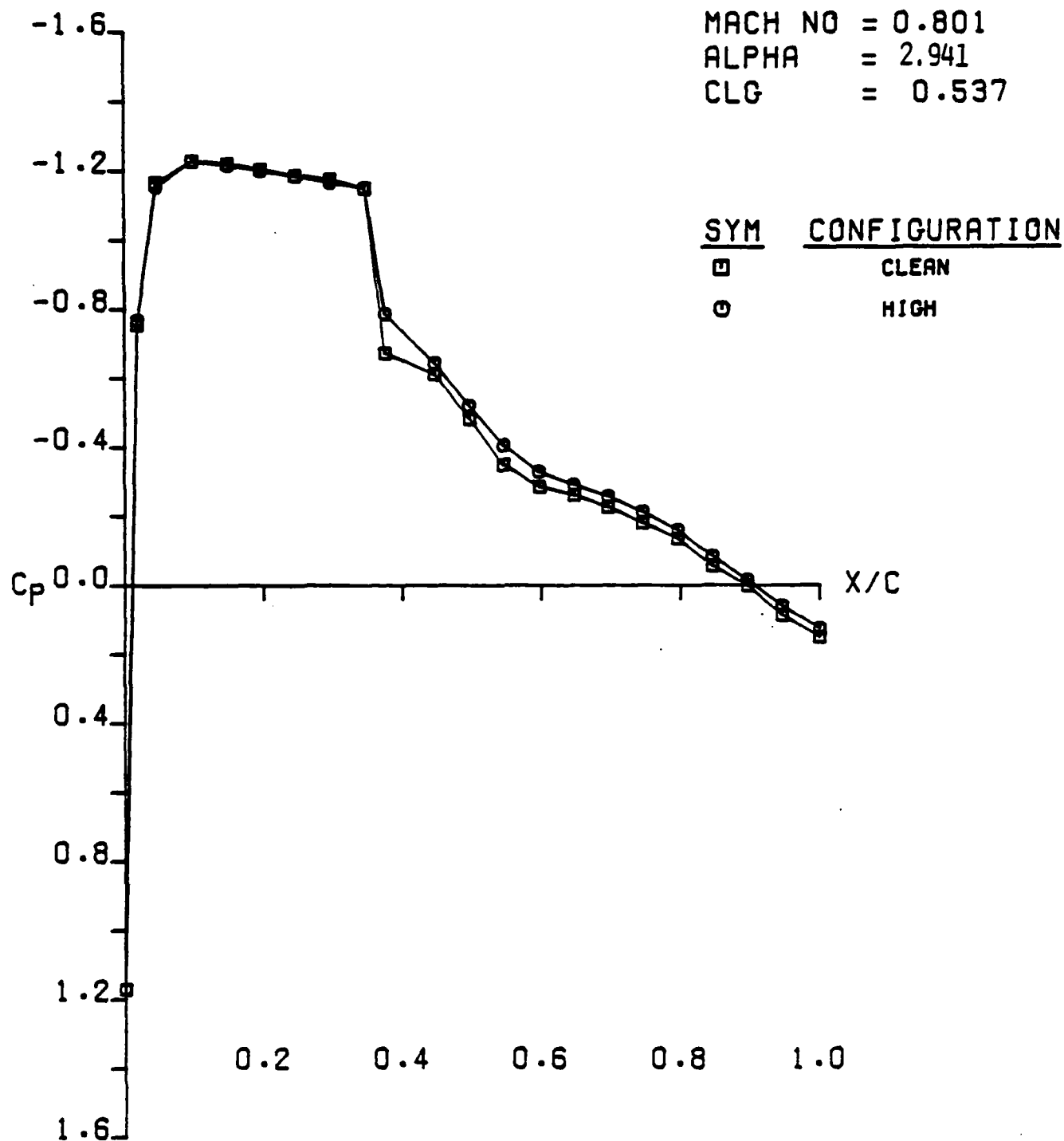
LOCKHEED CFWT SEMI-SPAN TEST, RUN 92
 CLEAN VS HIGH (UPR SURF)
 AFOSR SEMISPAN MODEL A



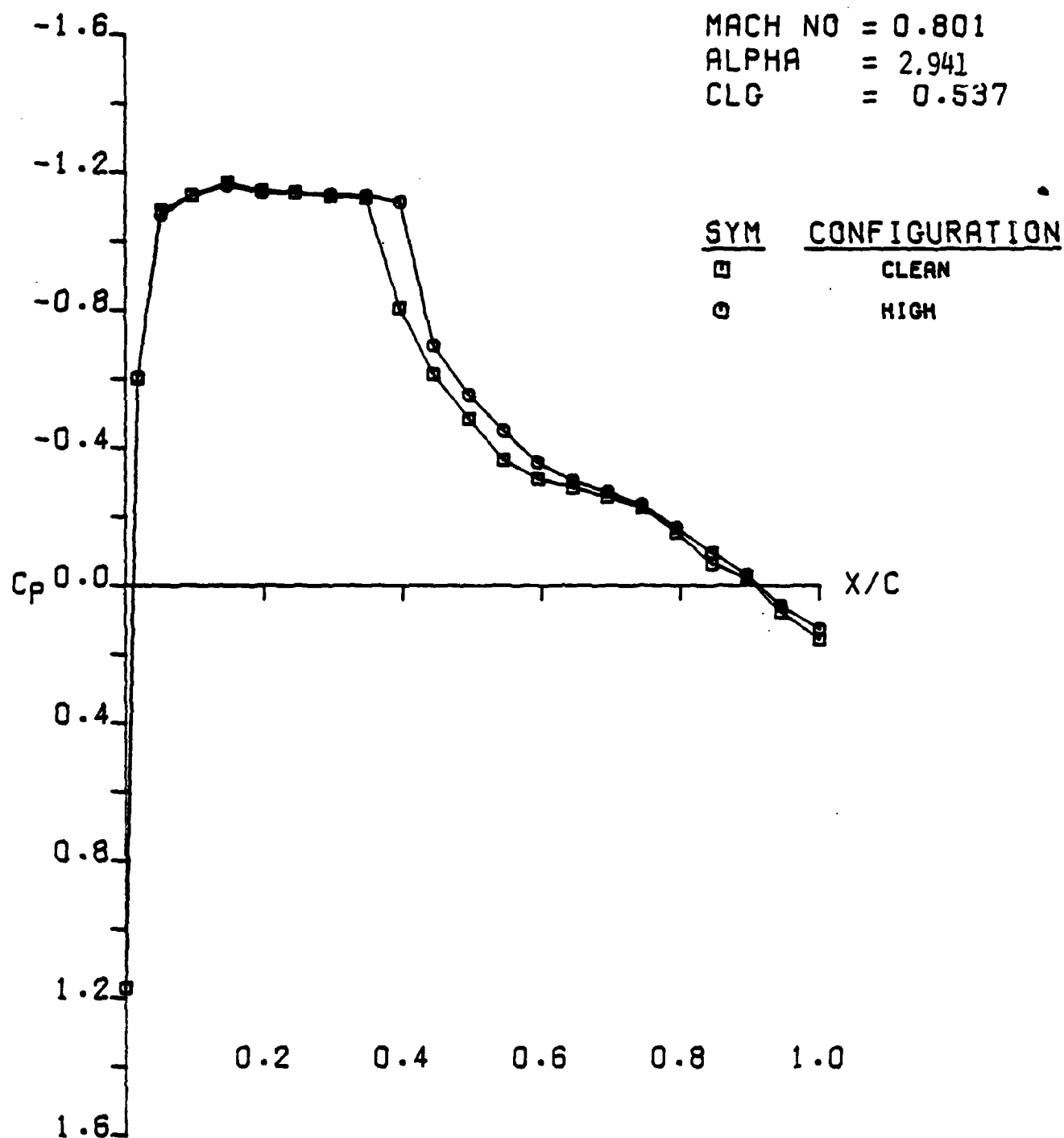
LOCKHEED CFWT SEMI-SPAN TEST, RUN 92
CLN VS HIGH (UPR SURF ETA .15)
AFOSR SEMISPAN MODEL A



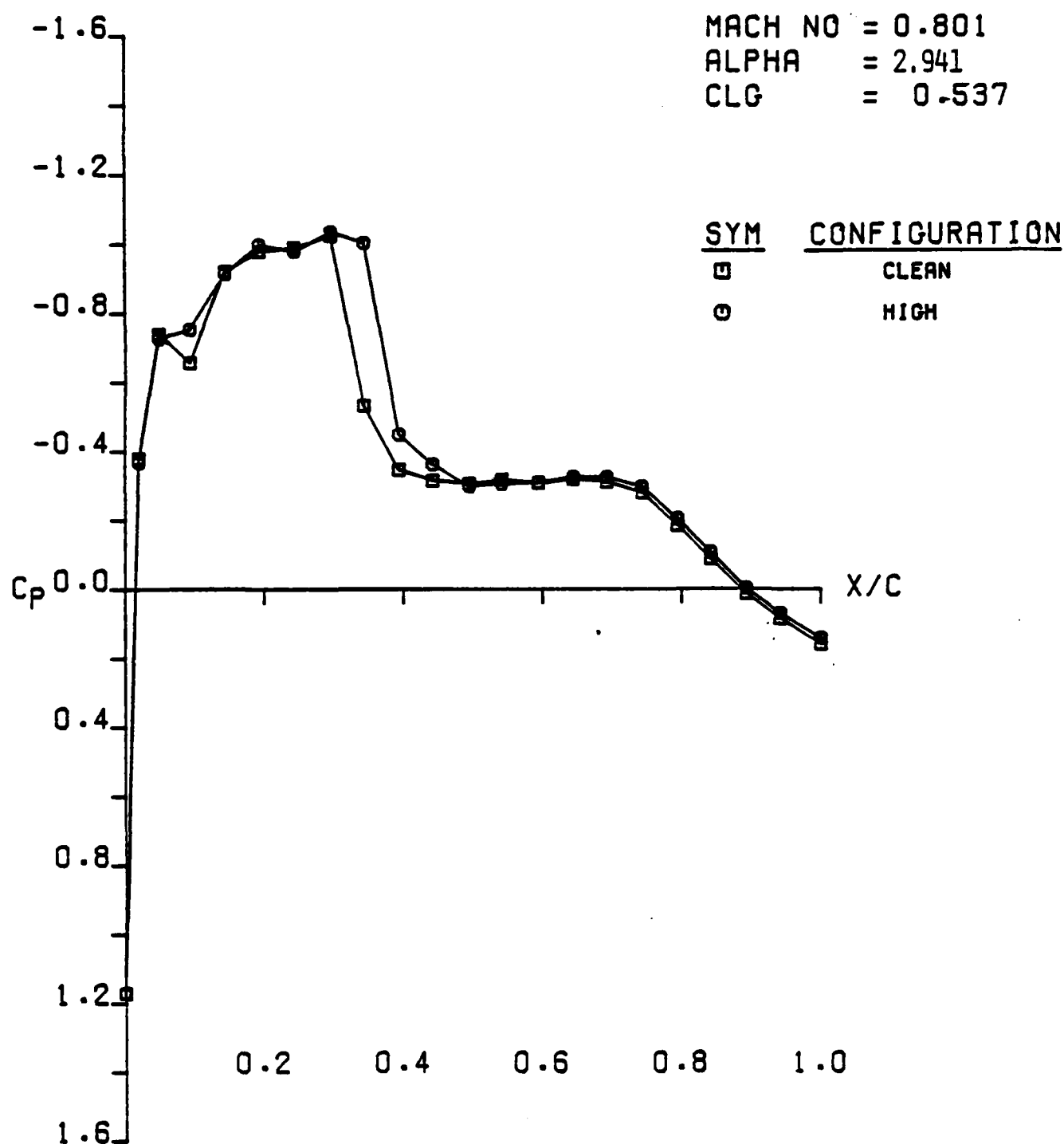
LOCKHEED CFWT SEMI-SPAN TEST, RUN 92
 CLN VS HIGH (UPR SURF ETA .30)
 AFOSR SEMISPAN MODEL A



LOCKHEED CFWT SEMI-SPAN TEST, RUN 92
CLN VS HIGH (UPR SURF ETA .50)
AFOSR SEMISPAN MODEL A



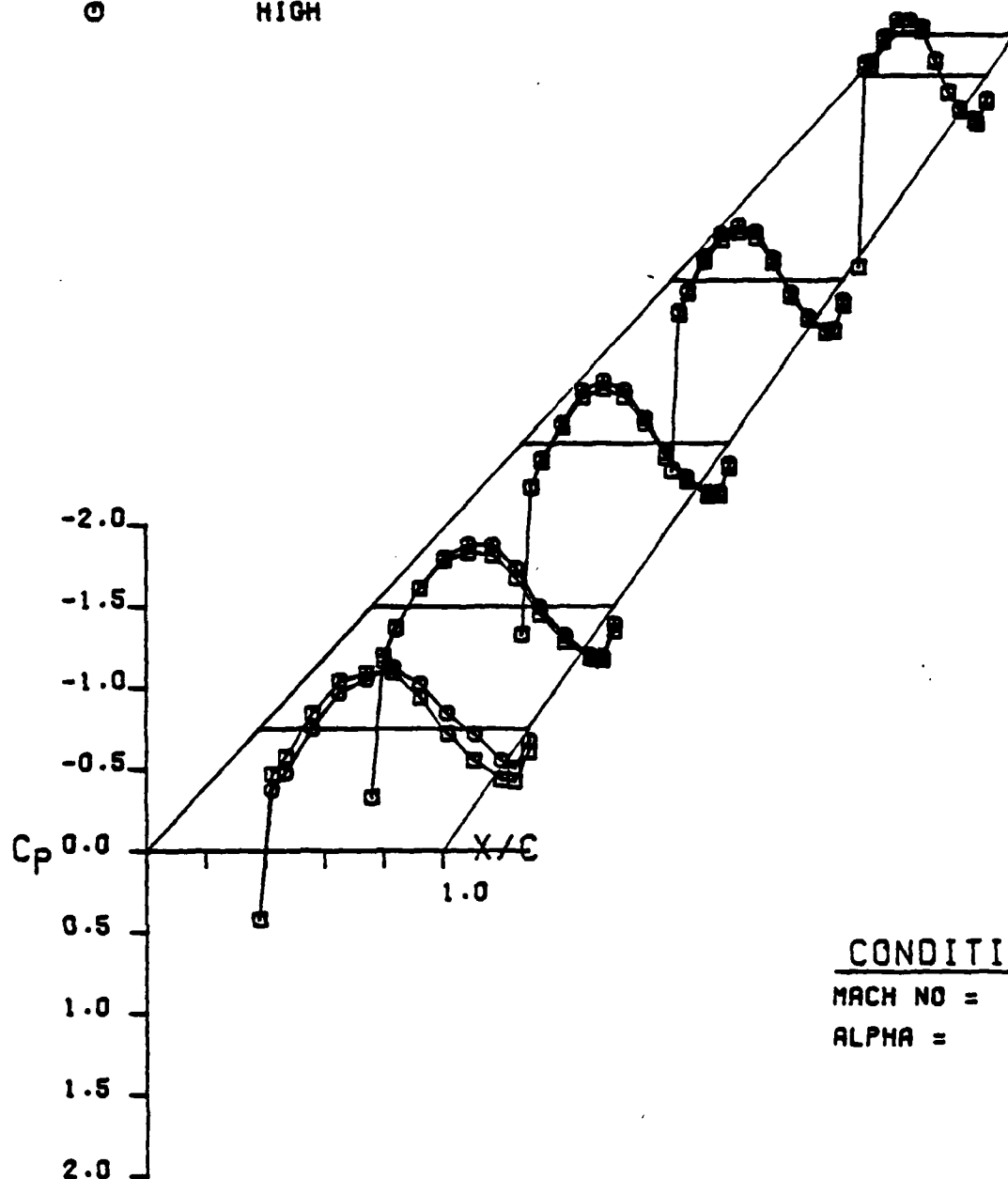
LOCKHEED CFWT SEMI-SPAN TEST, RUN 92
 CLN VS HIGH (UPR SURF ETA .70)
 AFOSR SEMISPAN MODEL A



LOCKHEED CFWT SEMI-SPAN TEST, RUN 92
CLN VS HIGH (UPR SURF ETA .95)
AFOSR SEMISPAN MODEL A

<u>SYM</u>	<u>CONFIGURATION</u>
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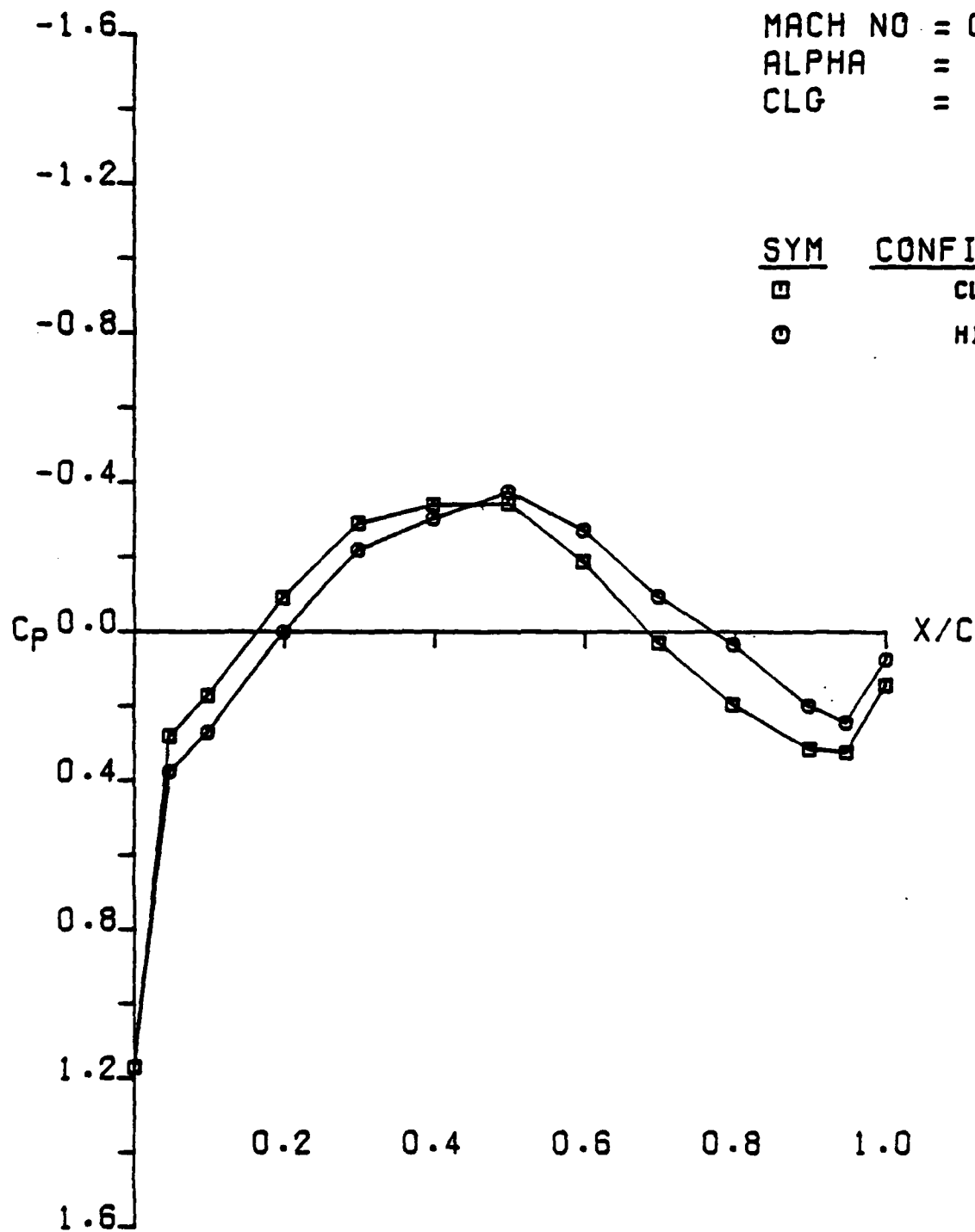
□	CLEAN
○	HIGH



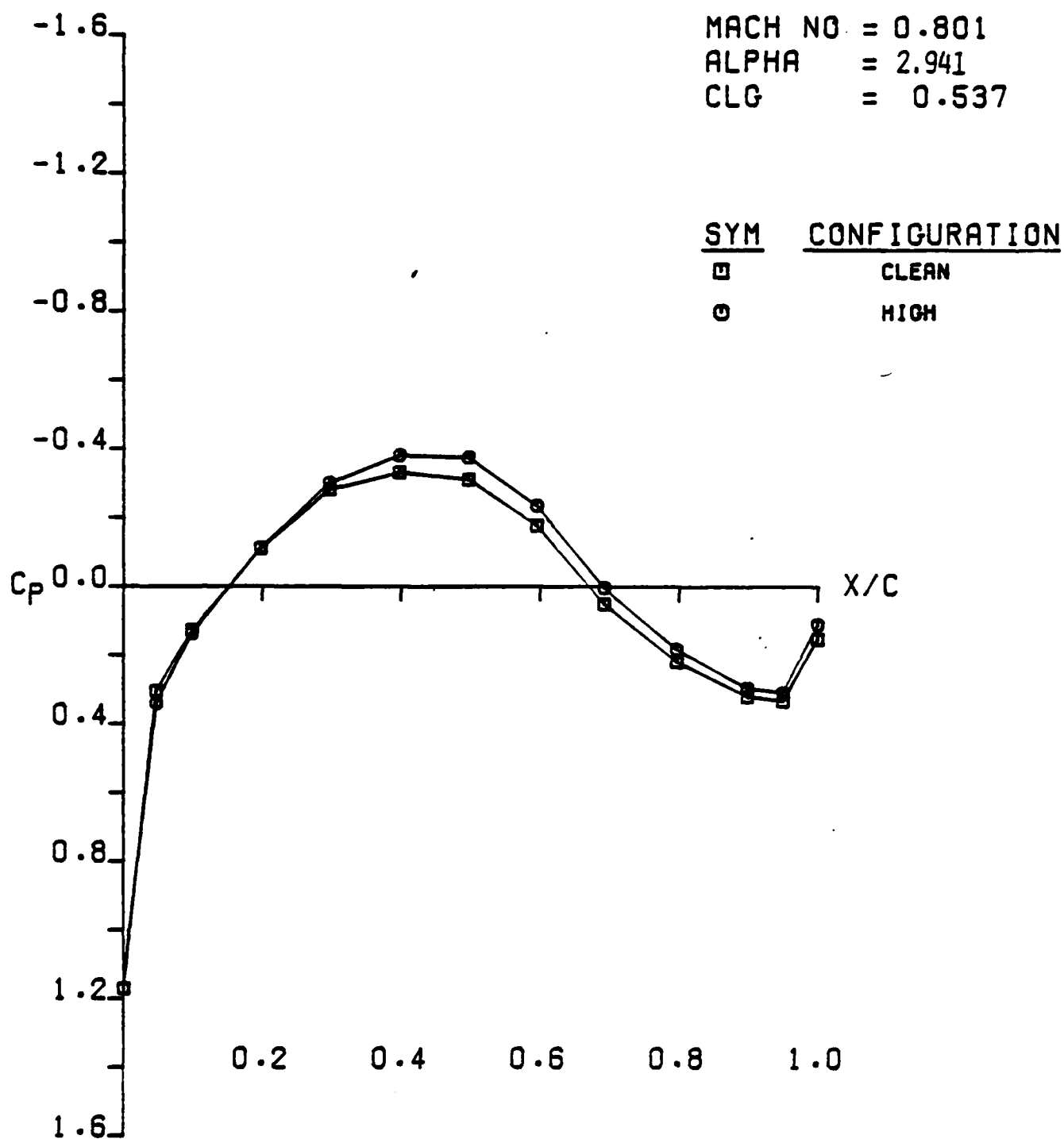
CONDITIONS

MACH NO = 0.801
 ALPHA = 2.941

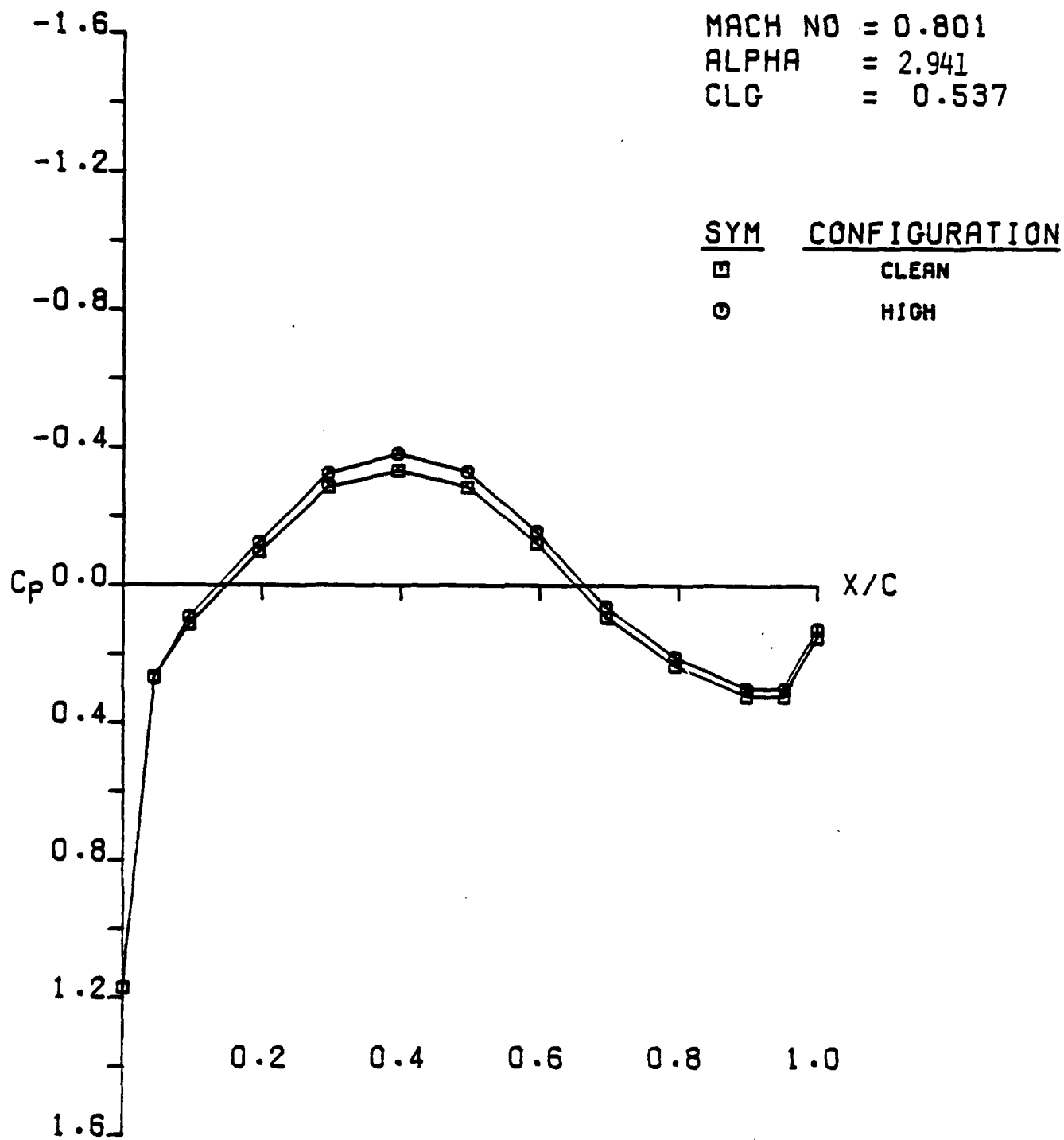
LOCKHEED CFWT SEMI-SPAN TEST, RUN 92
 CLN VS HIGH (LWR SURF)
 AFOSR SEMISPAN MODEL A



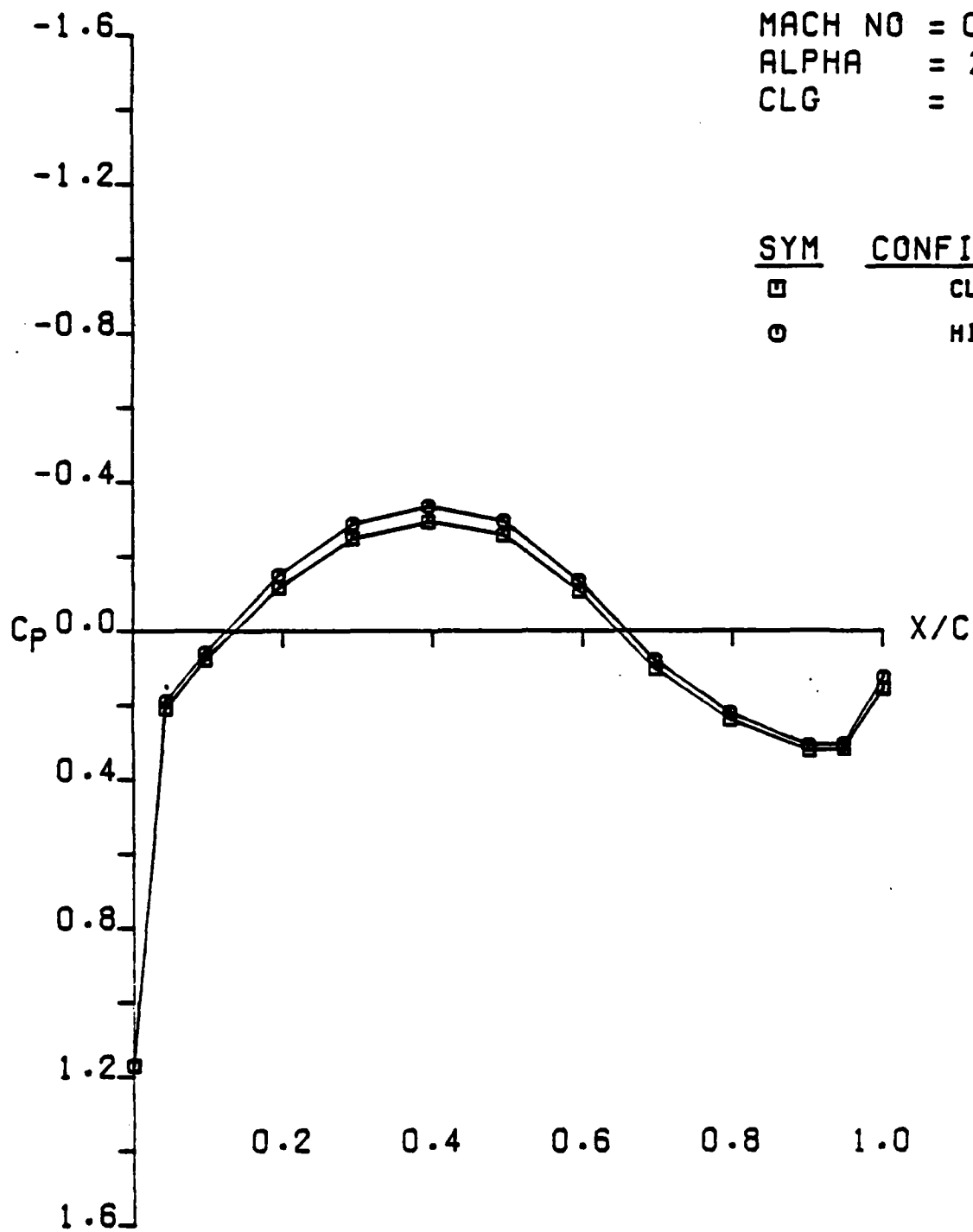
LOCKHEED CFWT SEMI-SPAN TEST, RUN 92
 CLN VS HIGH (LWR SURF ETA .15)
 AFOSR SEMISPAN MODEL A



LOCKHEED CFWT SEMI-SPAN TEST, RUN 92
CLN VS HIGH (LWR SURF ETA .30)
AFOSR SEMISPAN MODEL A



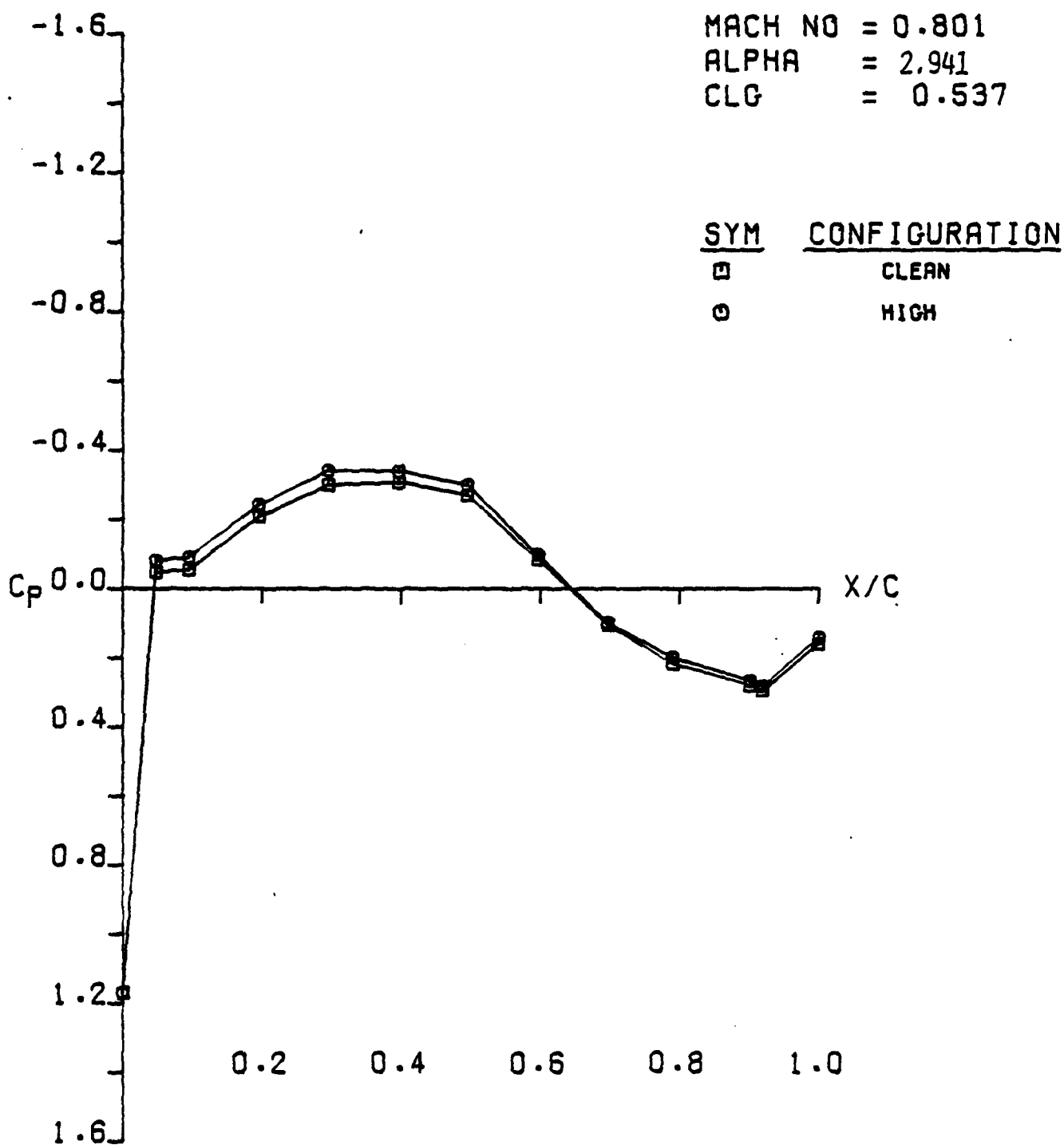
LOCKHEED CFWT SEMI-SPAN TEST, RUN 92
CLN VS HIGH (LWR SURF ETA .50)
AFOSR SEMISPAN MODEL A



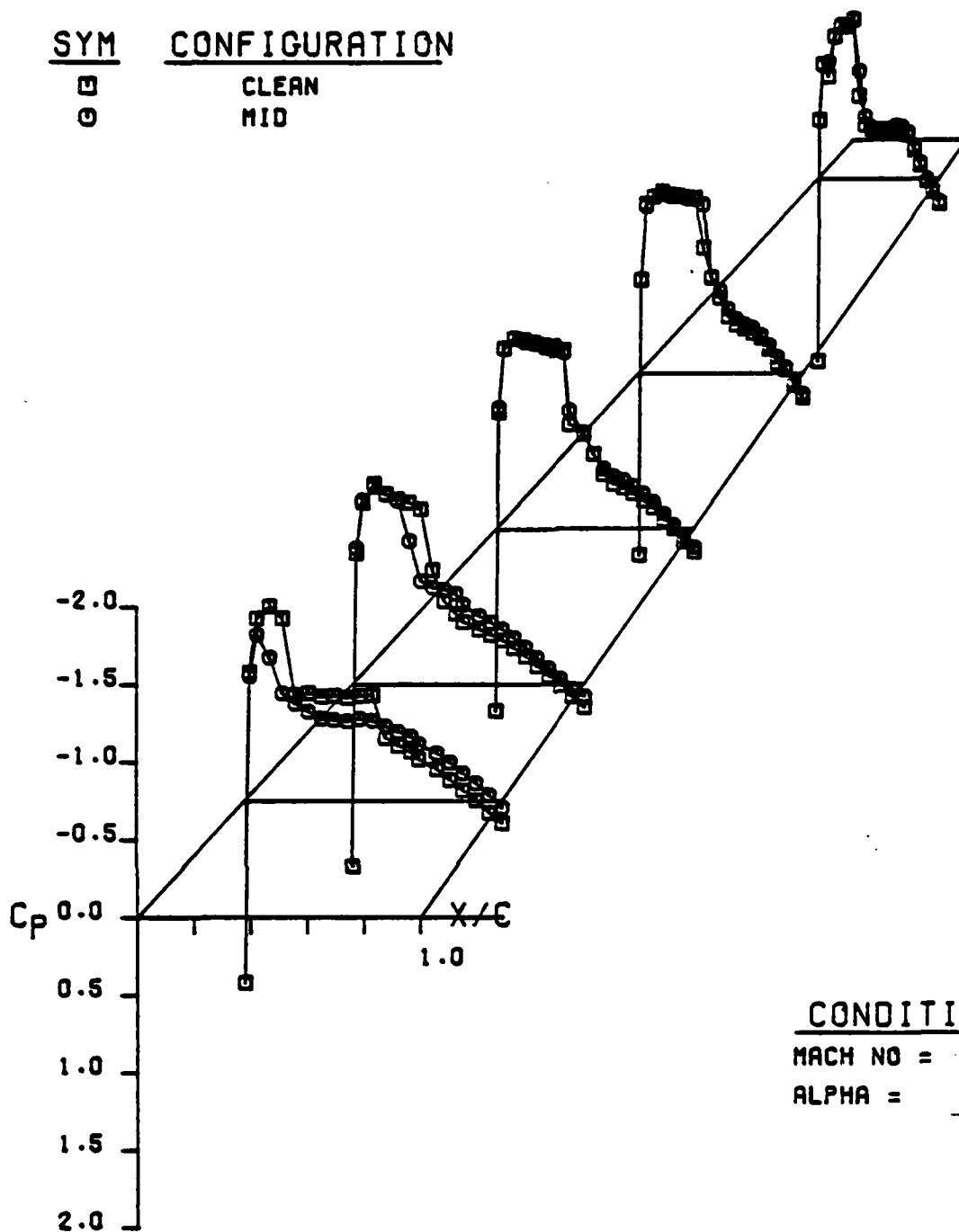
MACH NO = 0.801
 ALPHA = 2.941
 CLG = 0.537

SYM	CONFIGURATION
□	CLEAN
○	HIGH

LOCKHEED CFWT SEMI-SPAN TEST, RUN 92
 CLN VS HIGH (LWR SURF ETA .70)
 AFOSR SEMISPAN MODEL A

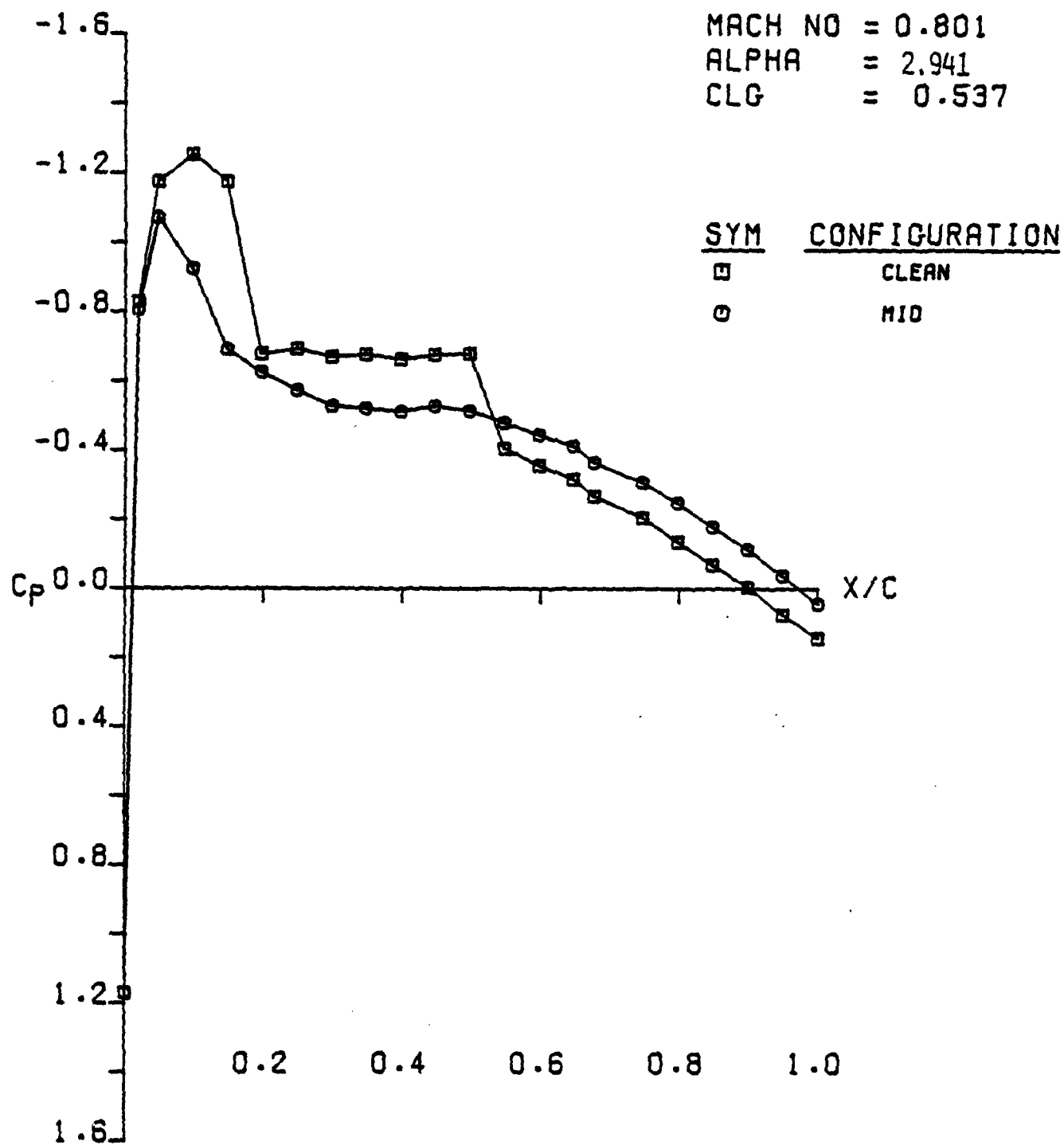


LOCKHEED CFWT SEMI-SPAN TEST, RUN 92
 CLN VS HIGH (LWR SURF ETA .95)
 AFOSR SEMISPAN MODEL A



CONDITIONS
 MACH NO = 0.801
 ALPHA = 2.941

LOCKHEED CFWT SEMI-SPAN TEST, RUN 92
 CLN VS MID (UPR SURF)
 AFOSR SEMISPAN MODEL A



LOCKHEED CFWT SEMI-SPAN TEST, RUN 92
CLN VS MID (UPR SURF ETA .15)
AFOSR SEMISPAN MODEL A

AD-A085 259

LOCKHEED-GEORGIA CO MARIETTA
ACQUISITION AND APPLICATION OF TRANSONIC WING AND FAR-FIELD
MAR 80 B L HINSON, K P BURDGES
L680ER0012-VOL-2

F/6 20/4

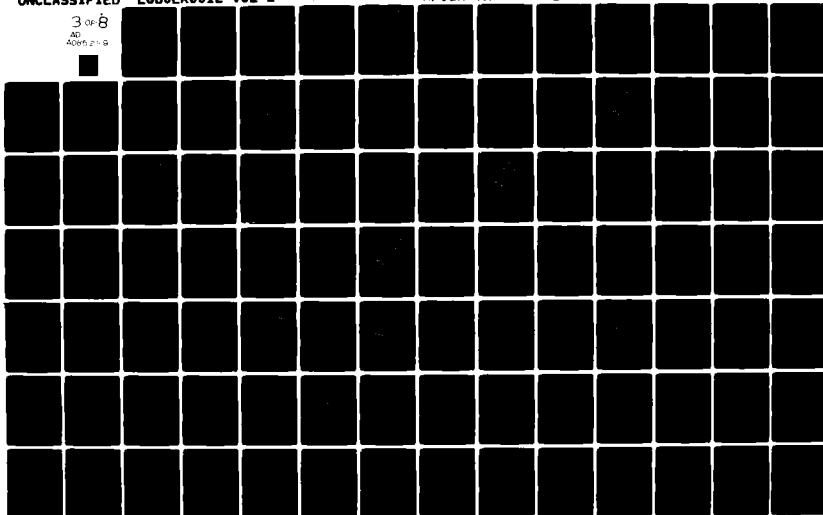
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F49620-78-C-0068

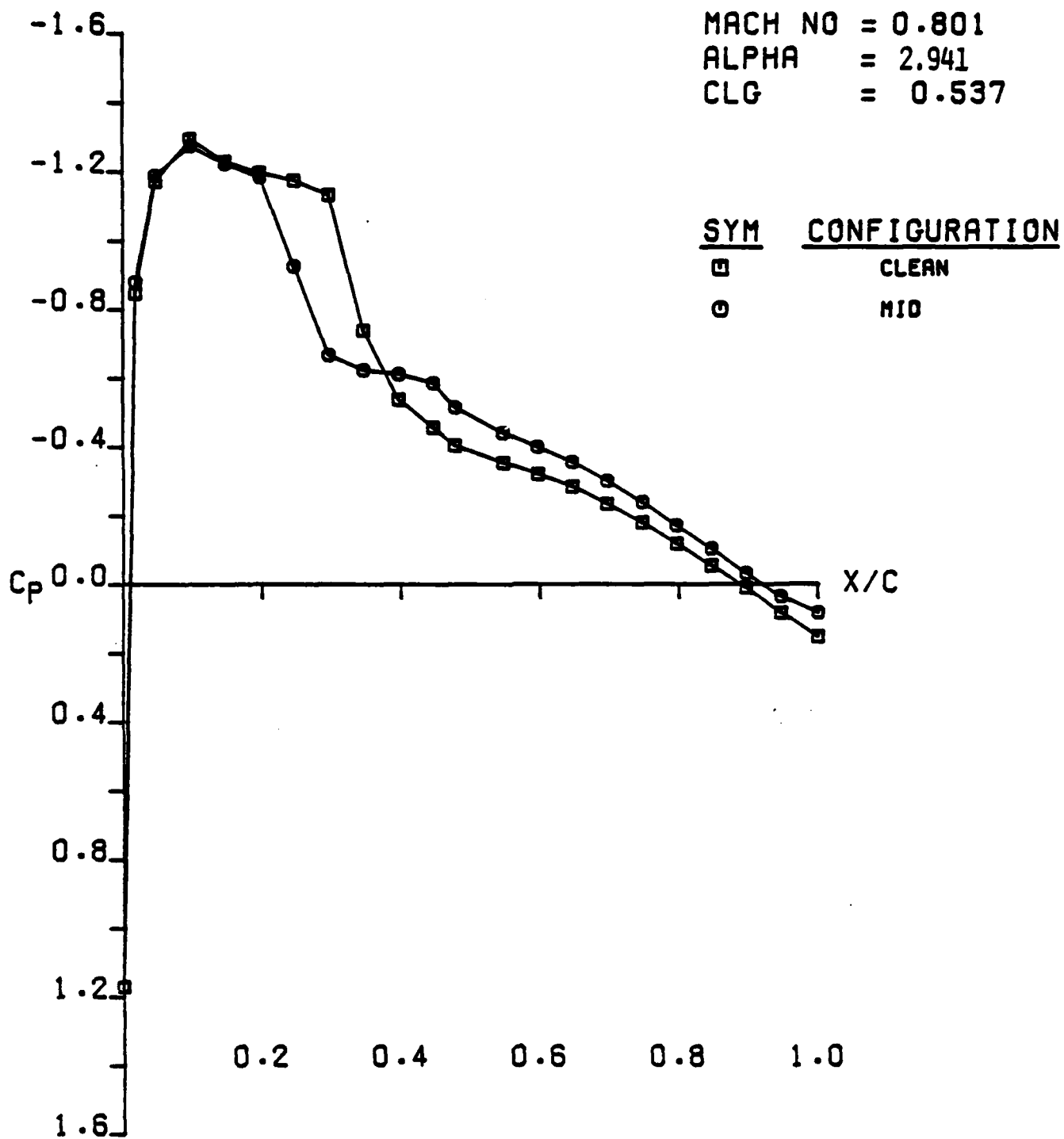
UNCLASSIFIED

AFOSR-TR-80-0422-VOL-2-APP NL

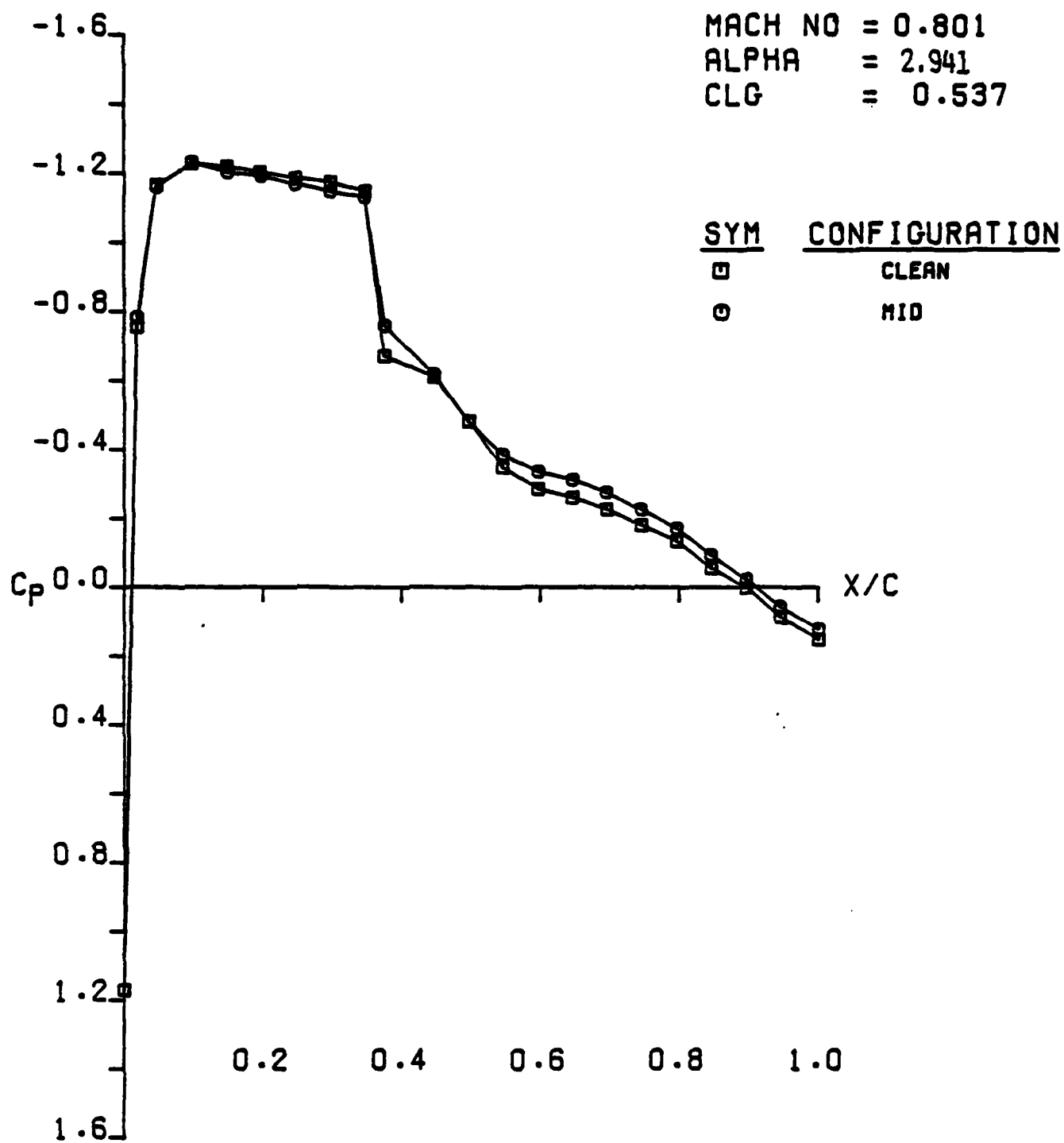
3 of 8

AD
A085 259

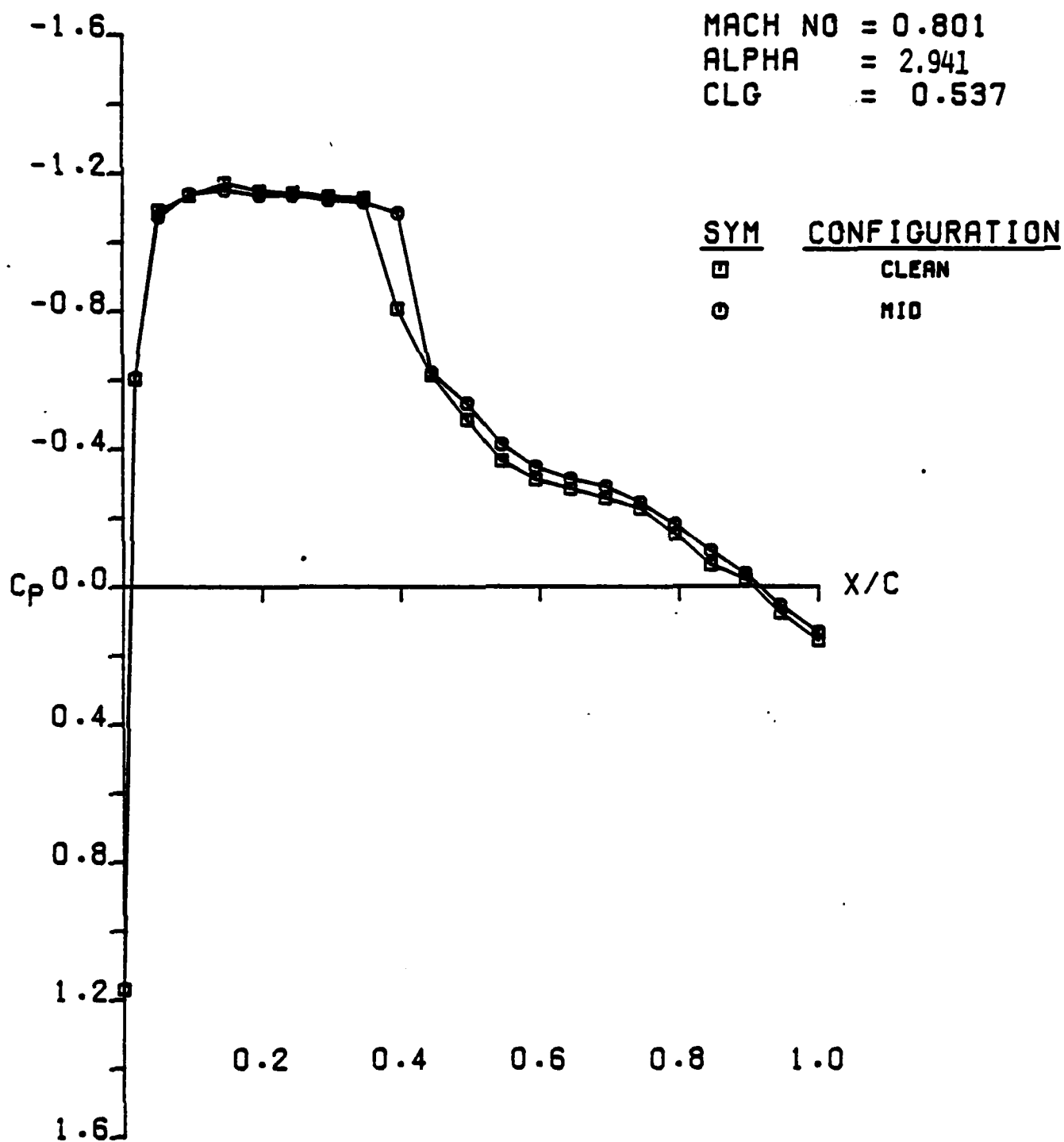




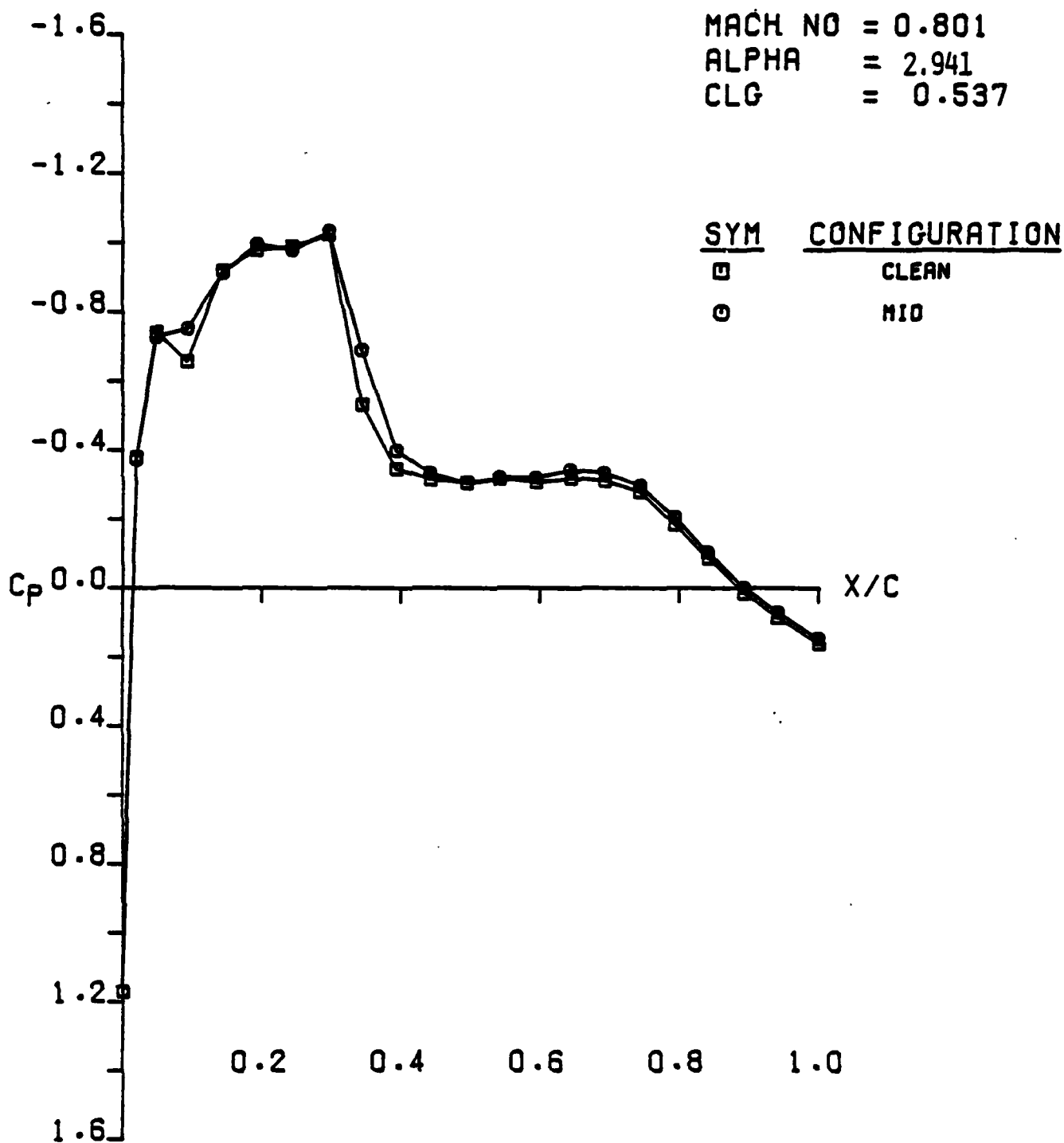
LOCKHEED CFWT SEMI-SPAN TEST, RUN 92
 CLN VS MID (UPR SURF ETA .30)
 AFOSR SEMISPAN MODEL A



LOCKHEED CFWT SEMI-SPAN TEST, RUN 92
CLN VS MID (UPR SURF ETA .50)
AFOSR SEMISPAN MODEL A



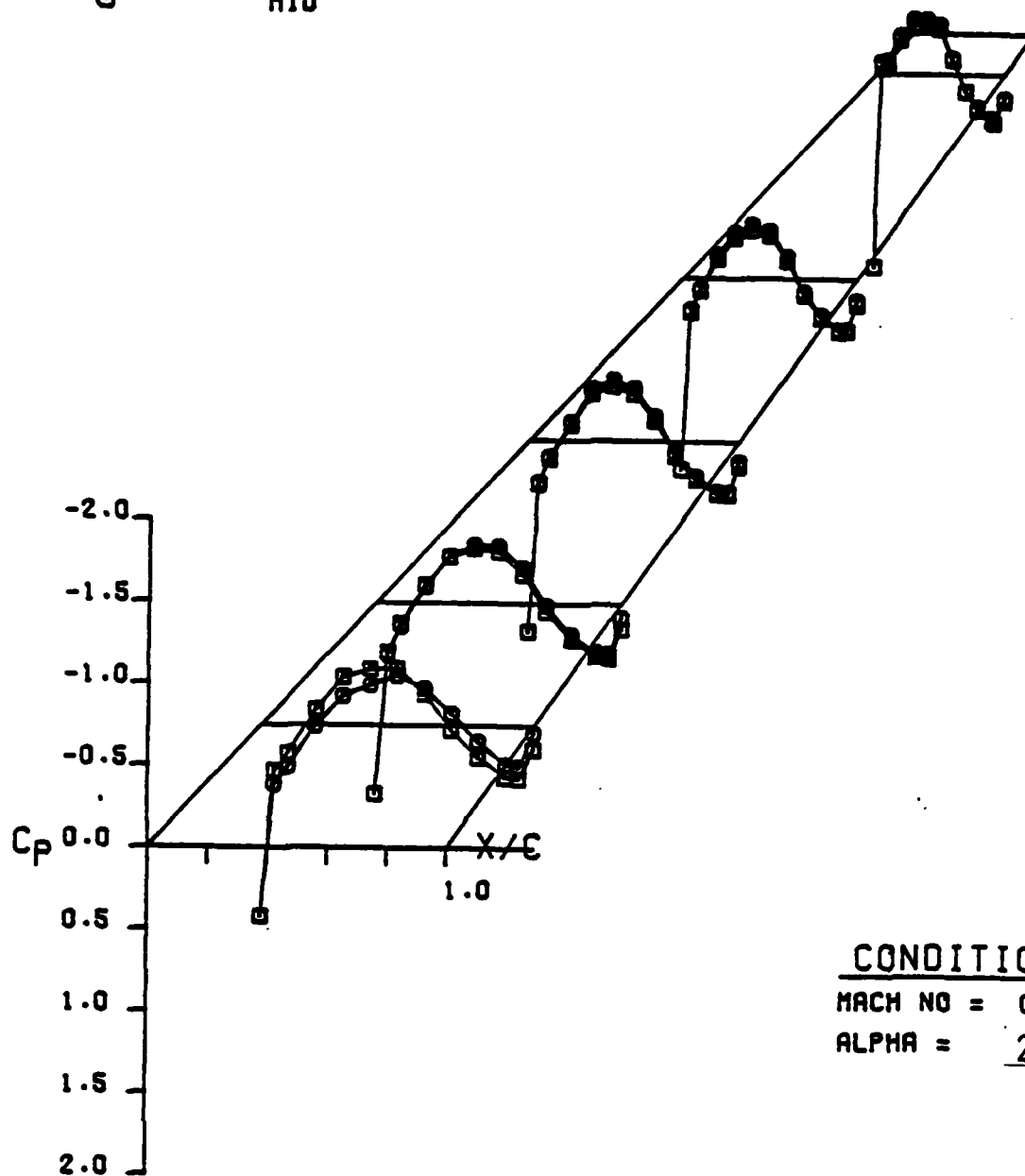
LOCKHEED CFWT SEMI-SPAN TEST, RUN 92
 CLN VS MID (UPR SURF ETA .70)
 AFOSR SEMISPAN MODEL A



LOCKHEED CFWT SEMI-SPAN TEST, RUN 92
 CLN VS MID (UPR SURF ETA .95)
 AFOSR SEMISPAN MODEL A

SYM	CONFIGURATION
-----	---------------

□	CLEAN
○	MID

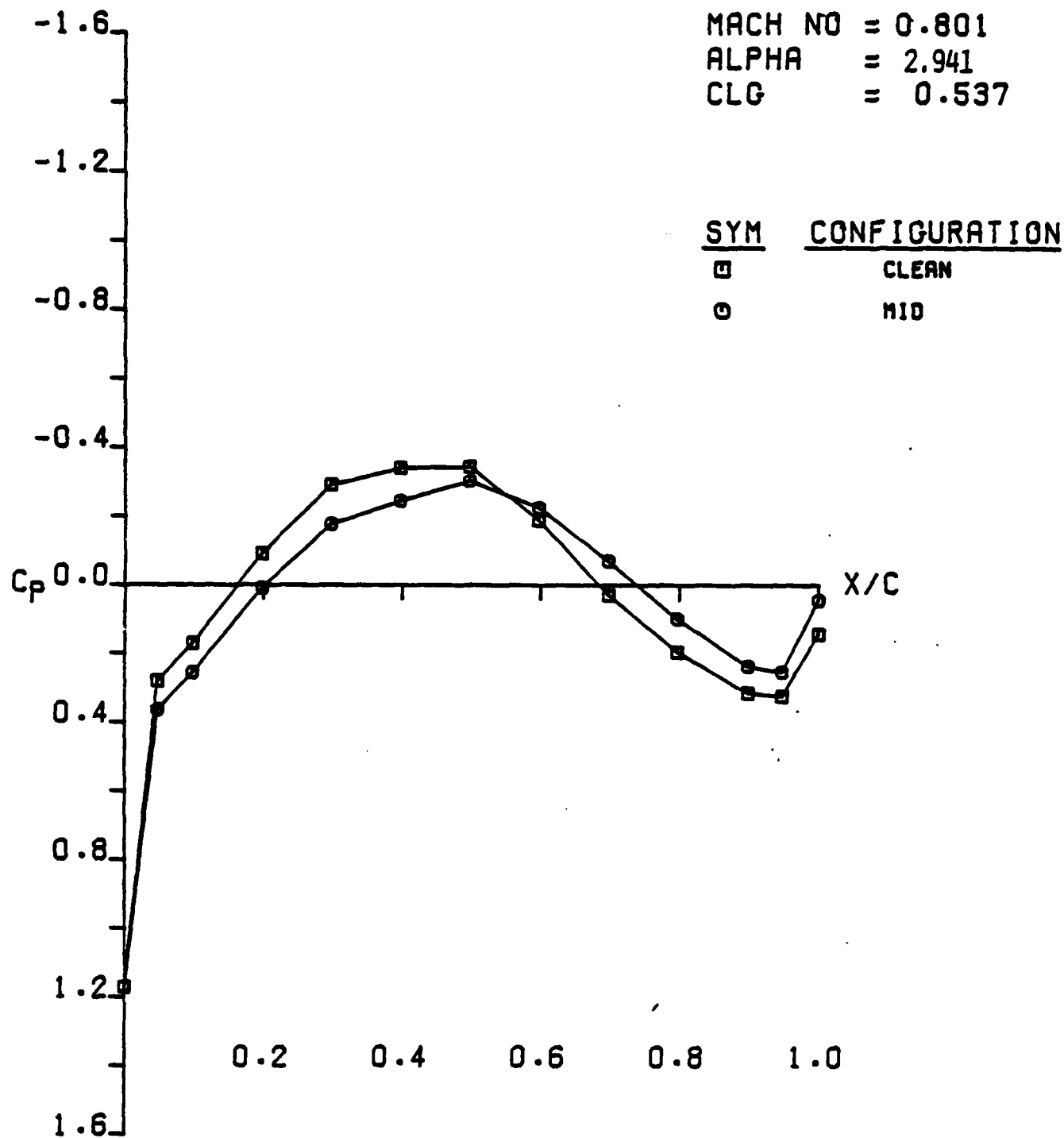


CONDITIONS

MACH NO = 0.801

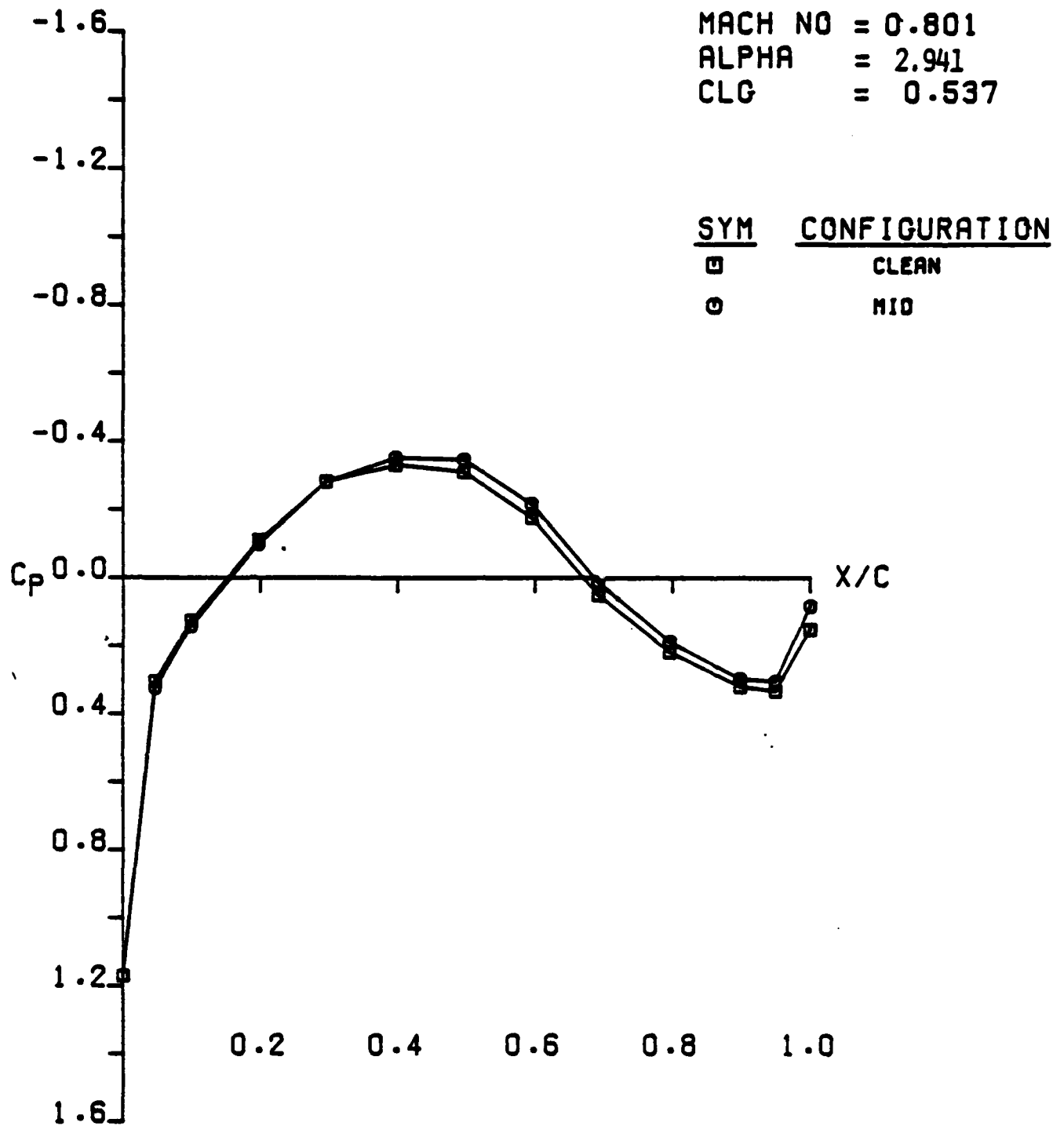
ALPHA = 2.941

LOCKHEED CFWT SEMI-SPAN TEST, RUN 92
 CLN VS MID (LWR SURF)
 AFOSR SEMISPAN MODEL A



LOCKHEED CFWT SEMI-SPAN TEST, RUN 92
 CLN VS MID (LWR SURF ETA .15)
 AFOSR SEMISPAN MODEL A

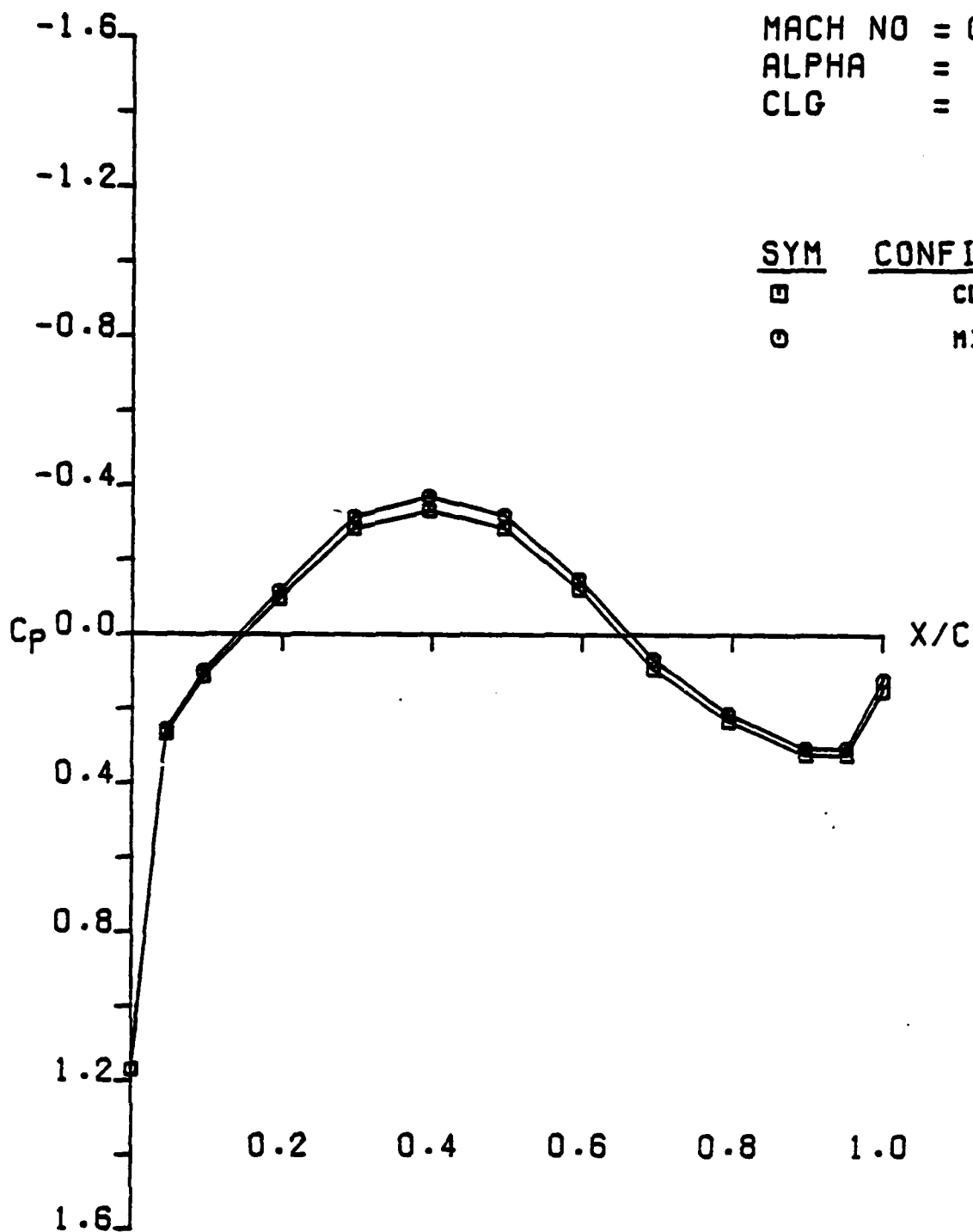
MACH NO = 0.801
ALPHA = 2.941
CLG = 0.537



LOCKHEED CFWT SEMI-SPAN TEST, RUN 92
CLN VS MID (LWR SURF ETA .30)
AFOSR SEMISPAN MODEL A

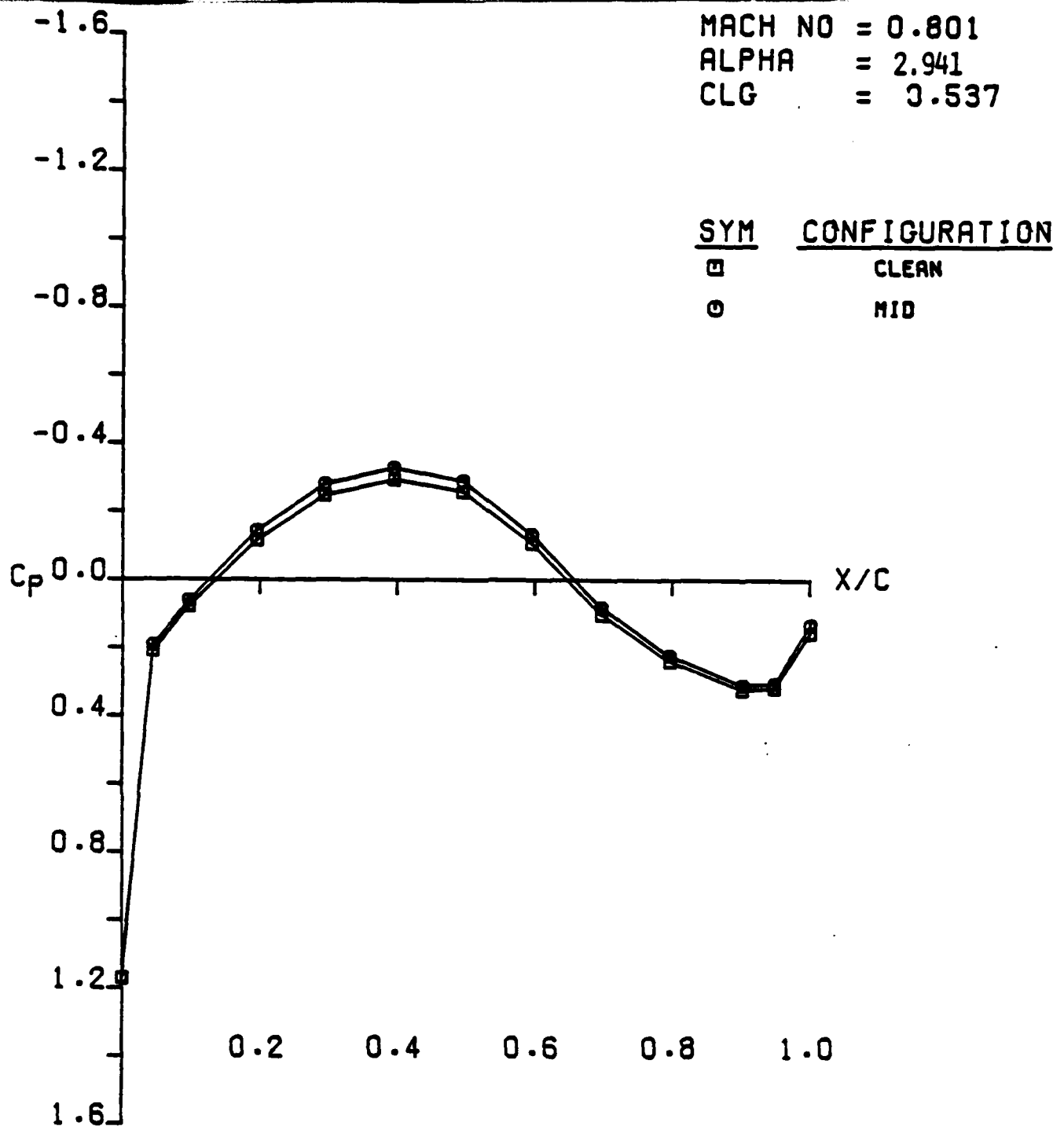
MACH NO = 0.801
 ALPHA = 2.941
 CLG = 0.537

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID



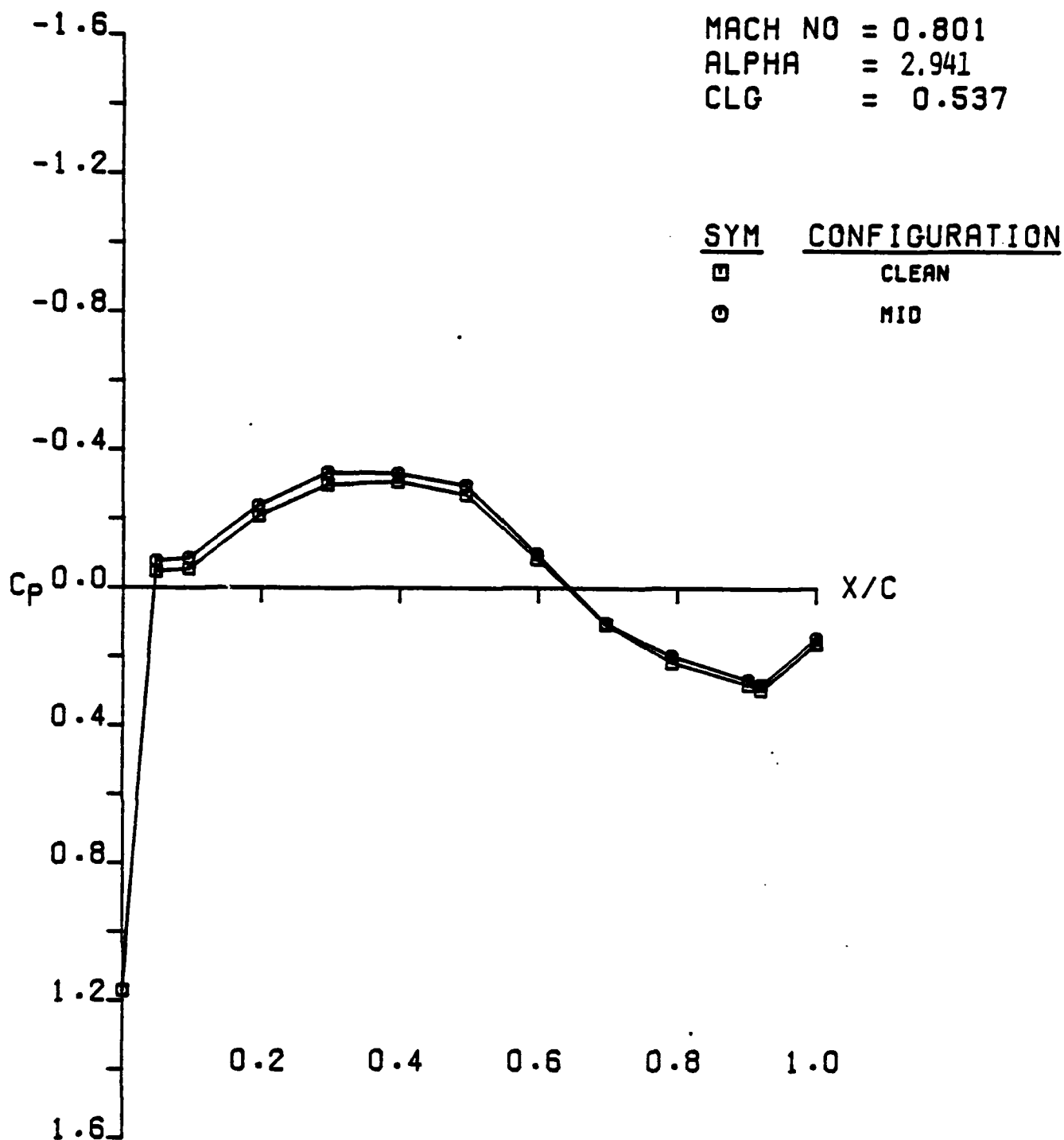
LOCKHEED CFWT SEMI-SPAN TEST, RUN 92
 CLN VS MID (LWR SURF ETA .50)
 AFOSR SEMISPAN MODEL A

MACH NO = 0.801
ALPHA = 2.941
CLG = 3.537

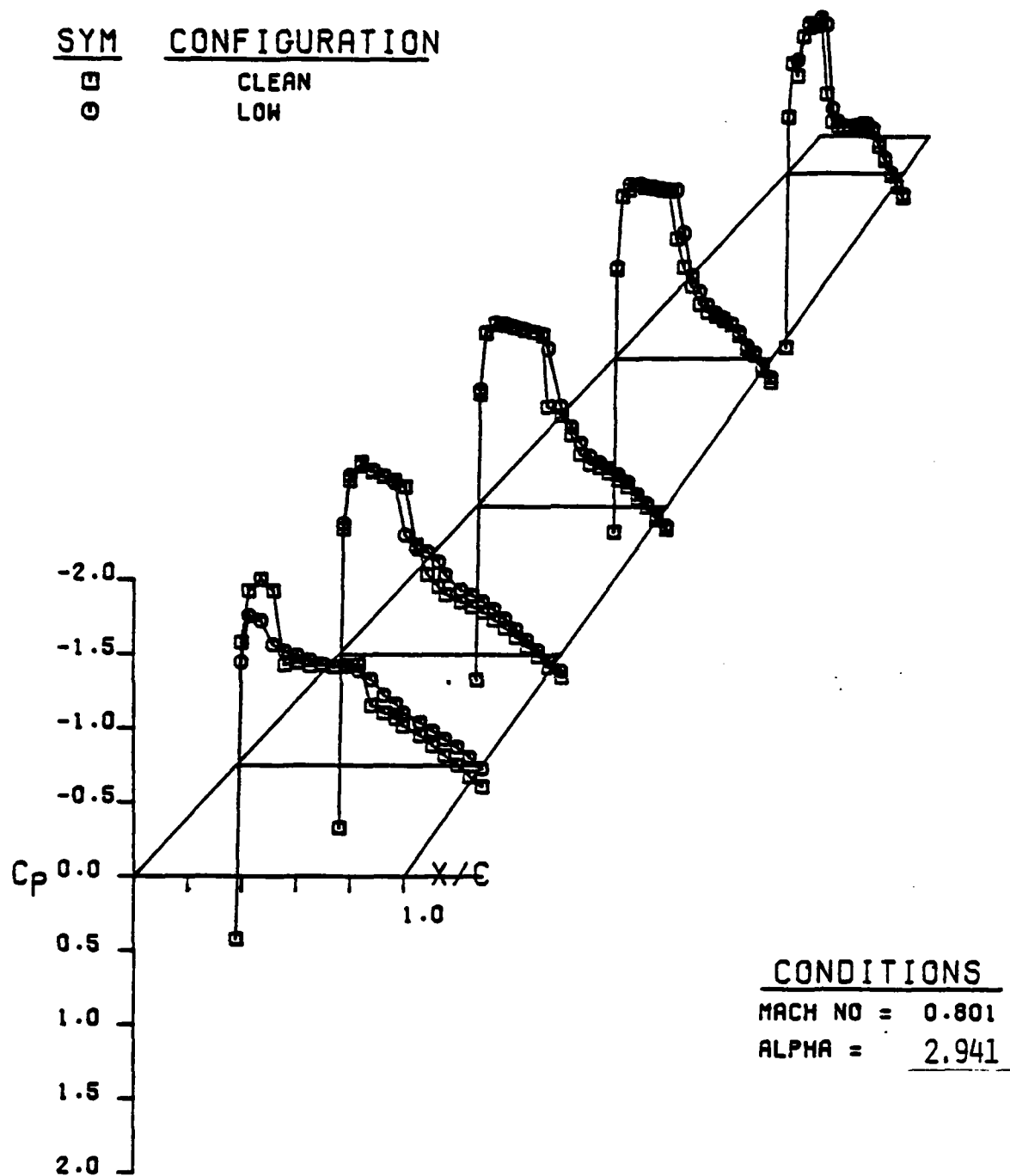


LOCKHEED CFWT SEMI-SPAN TEST, RUN 92
CLN VS MID (LWR SURF ETA .70)
AFOSR SEMISPAN MODEL A

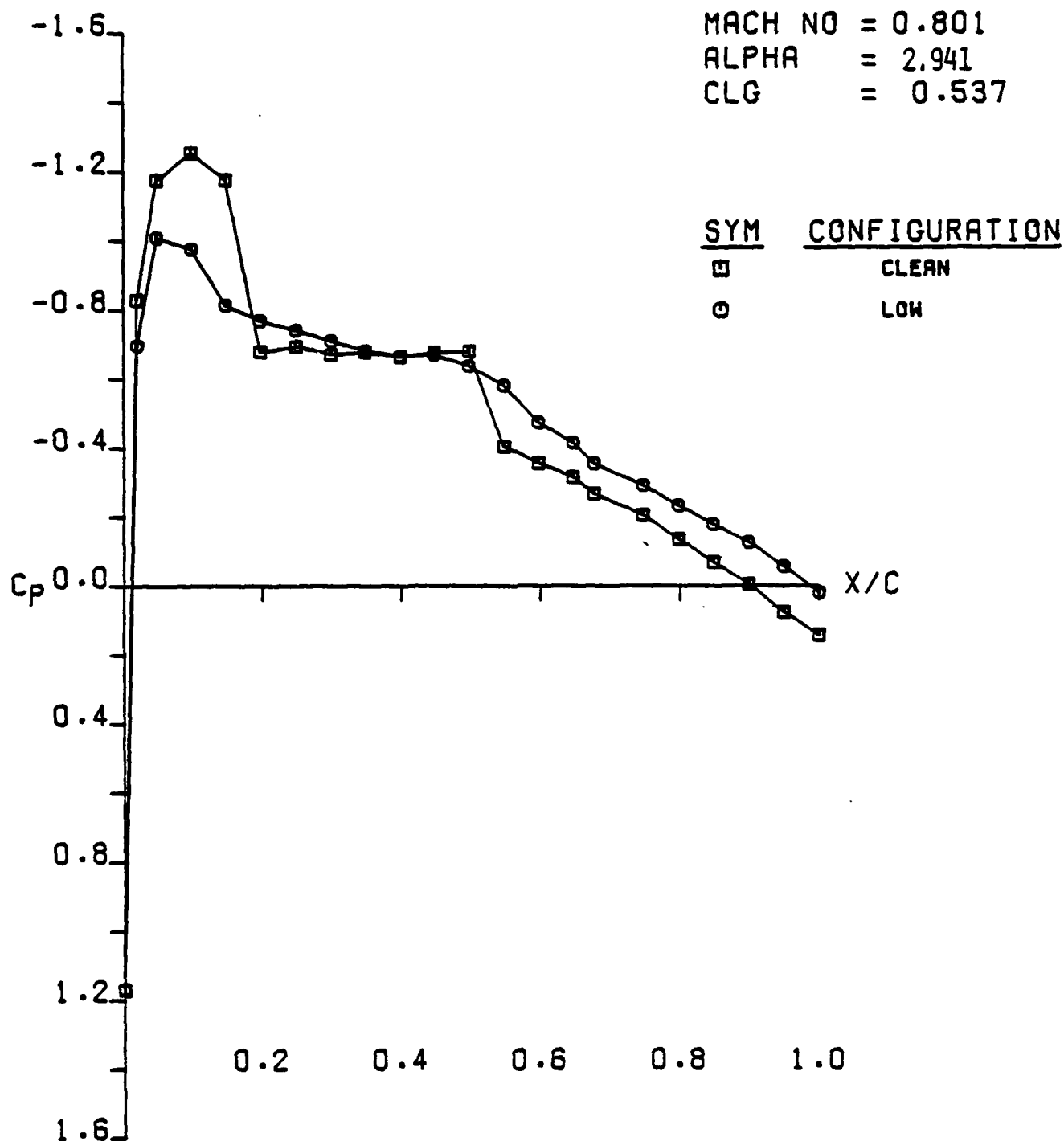
MACH NO = 0.801
ALPHA = 2.941
CLG = 0.537



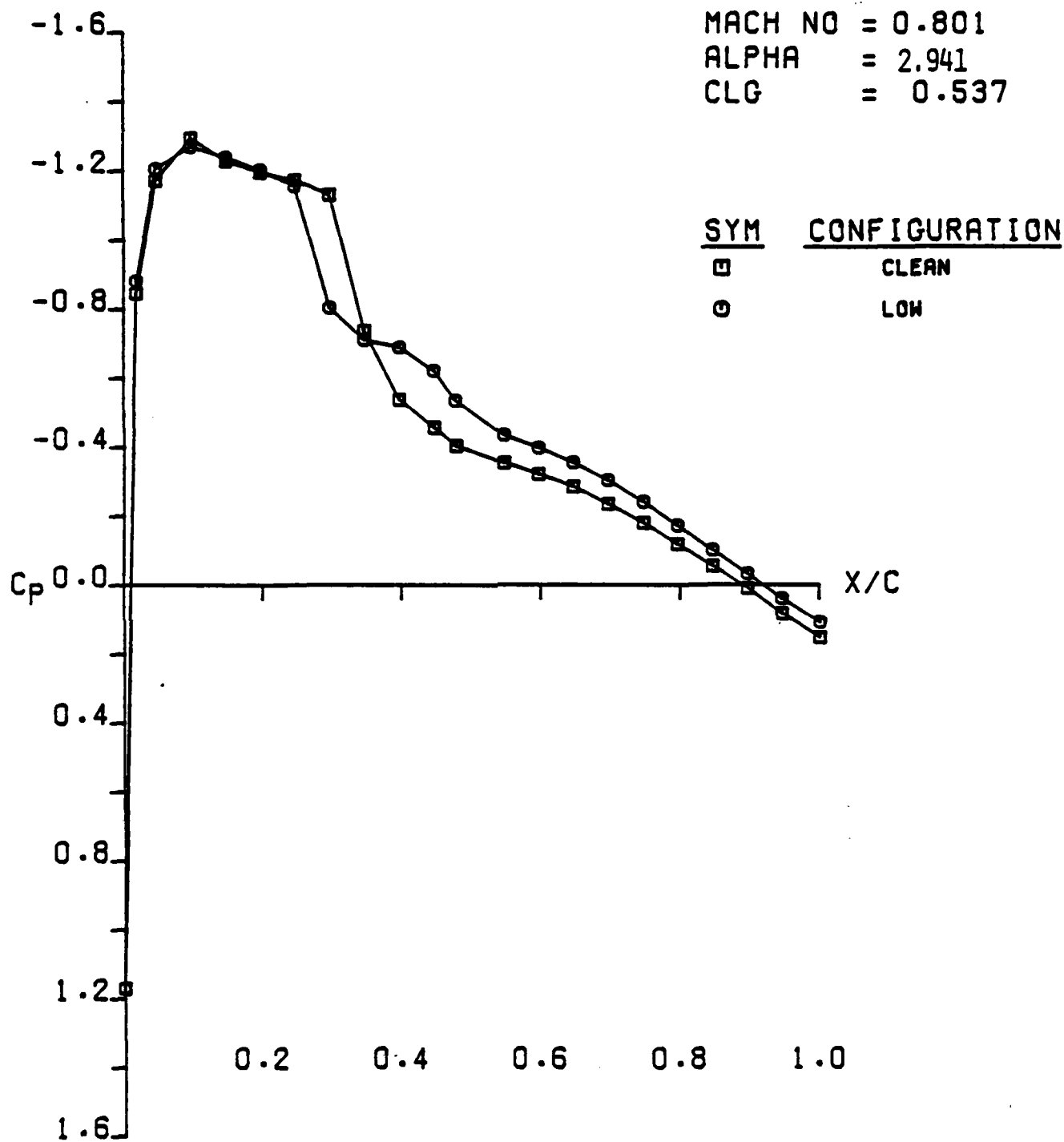
LOCKHEED CFWT SEMI-SPAN TEST, RUN 92
CLN VS MID (LWR SURF ETA .95)
AFOSR SEMISPAN MODEL A



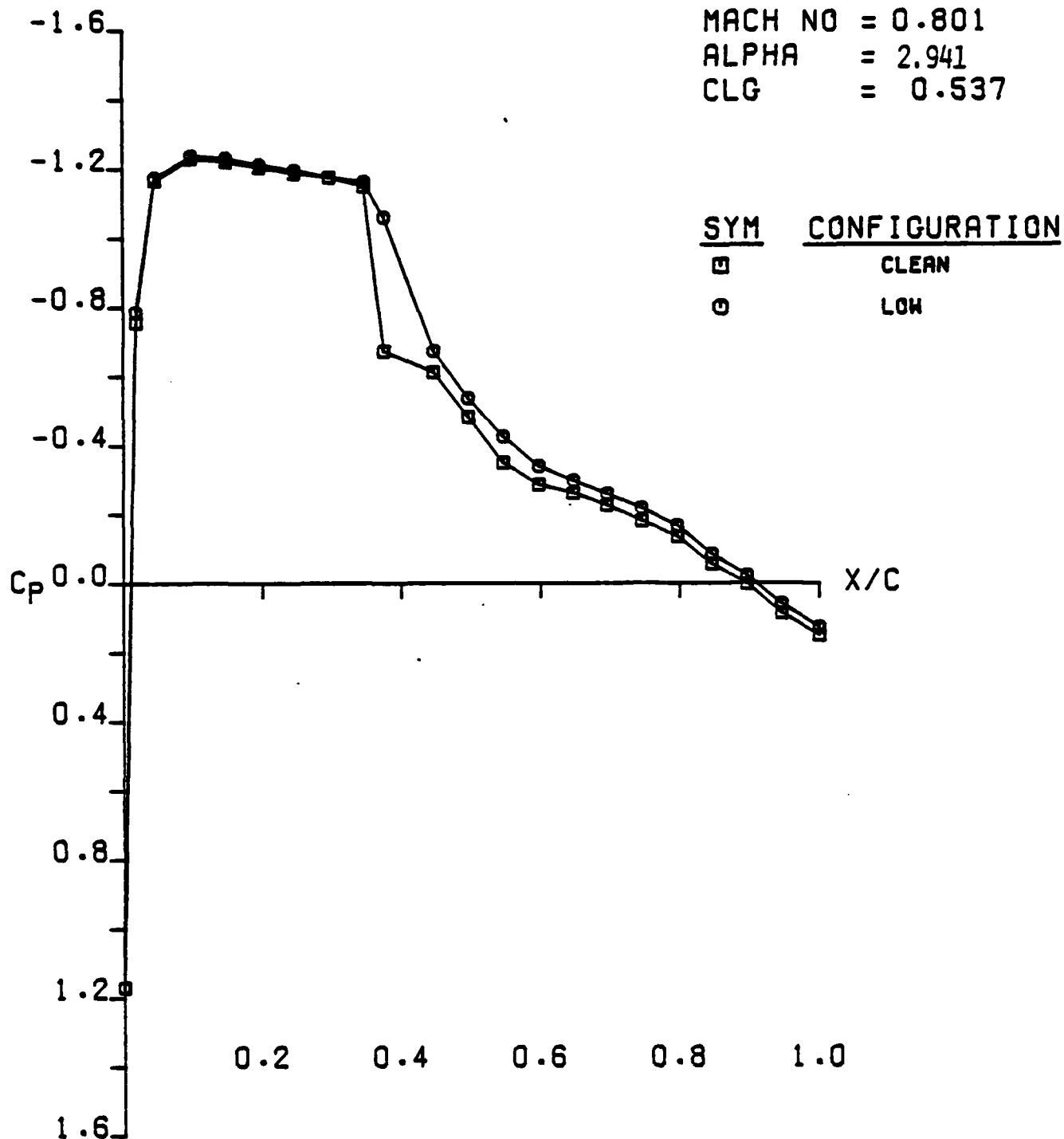
LOCKHEED CFWT SEMI-SPAN TEST, RUN 92
 CLN VS LOW (UPR SURF)
 AFOSR SEMISPAN MODEL A



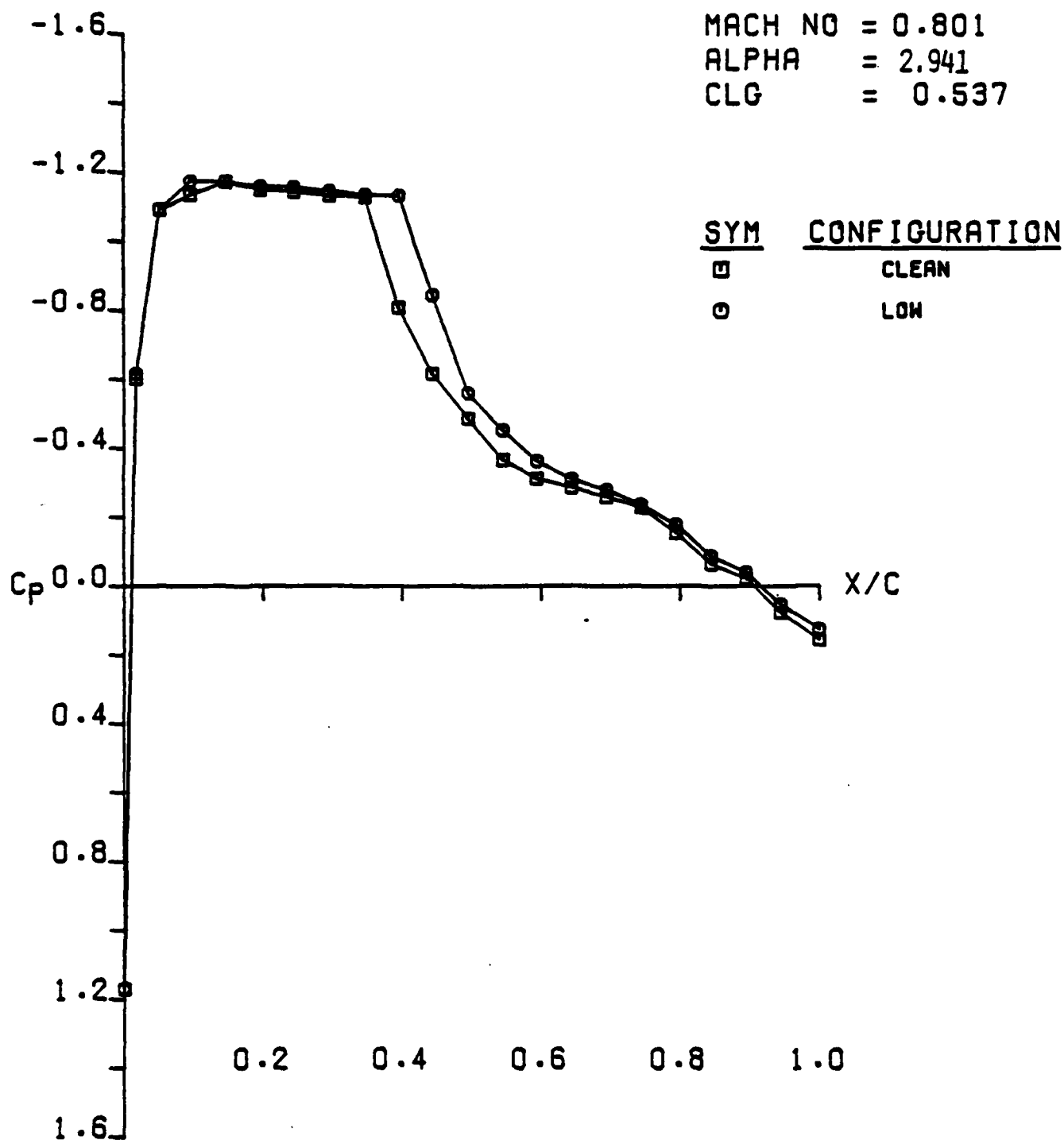
LOCKHEED CFWT SEMI-SPAN TEST, RUN 92
CLN VS LOW (UPR SURF ETA .15)
AFOSR SEMISPAN MODEL A



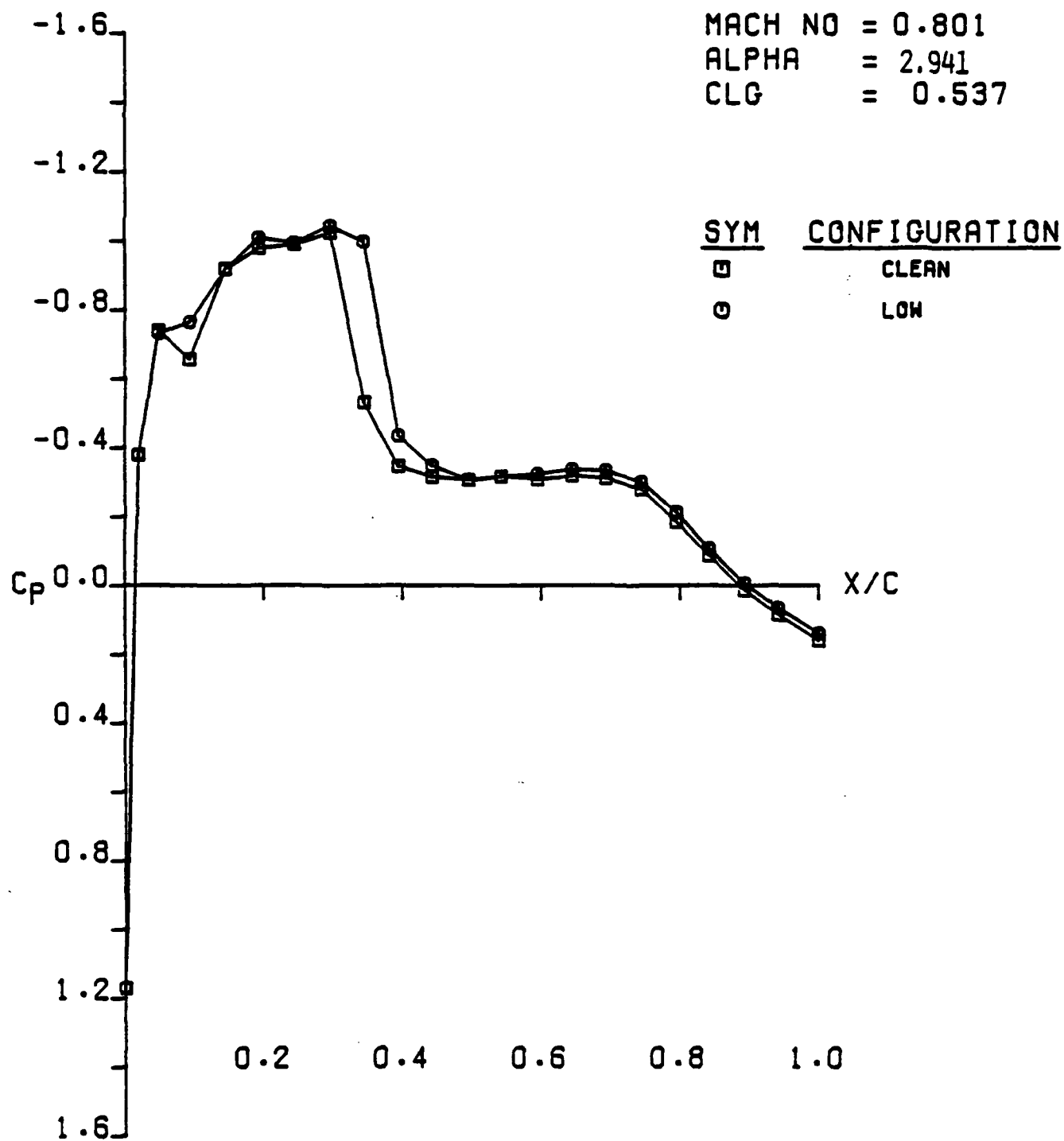
LOCKHEED CFWT SEMI-SPAN TEST, RUN 92
CLN VS LOW (UPR SURF ETA .30)
AFOSR SEMISPAN MODEL A



LOCKHEED CFWT SEMI-SPAN TEST, RUN 92
CLN VS LOW (UPR SURF ETA .50)
AFOSR SEMISPAN MODEL A

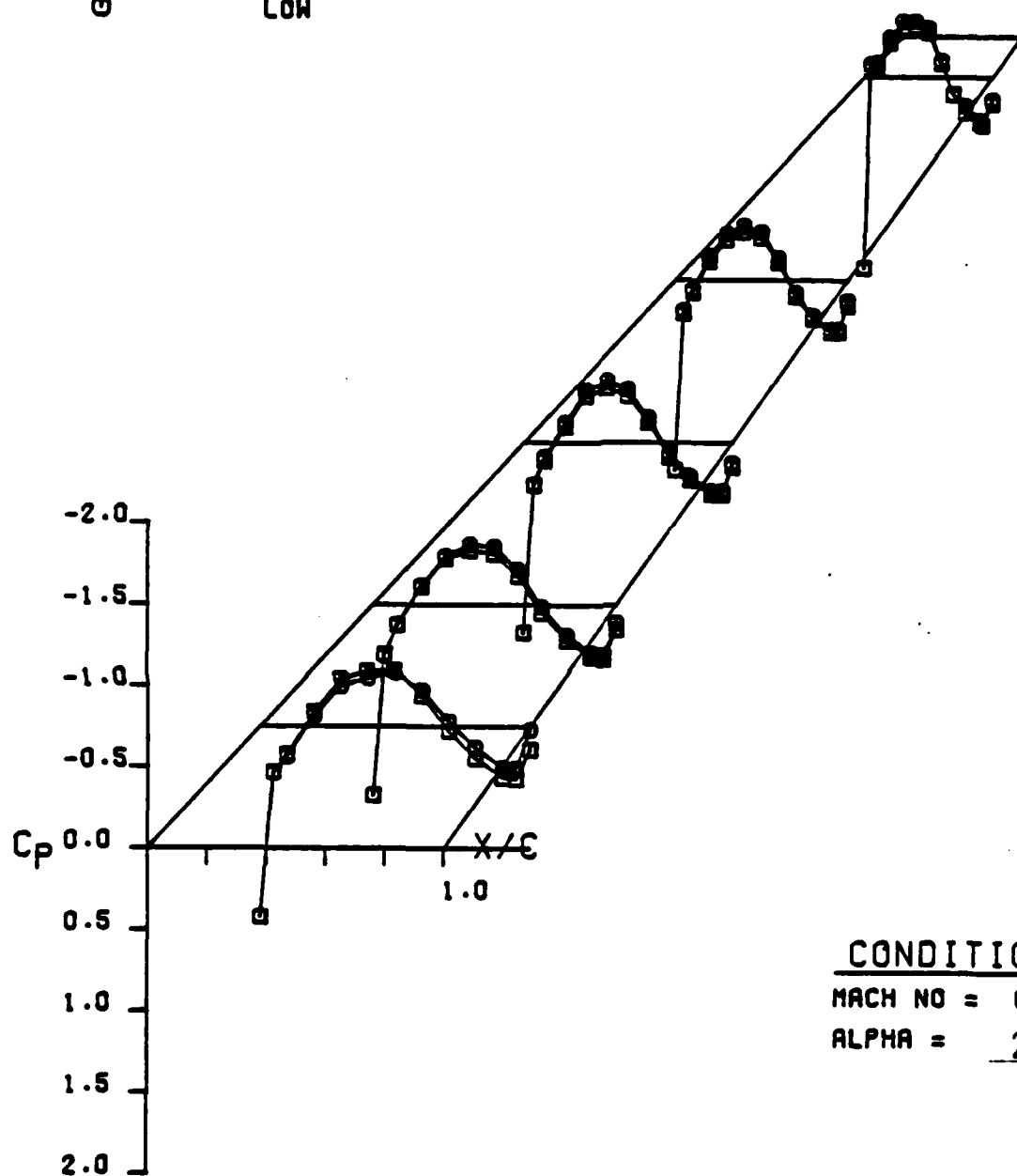


LOCKHEED CFWT SEMI-SPAN TEST, RUN 92
 CLN VS LOW (UPR SURF ETA .70)
 AFOSR SEMISPAN MODEL A



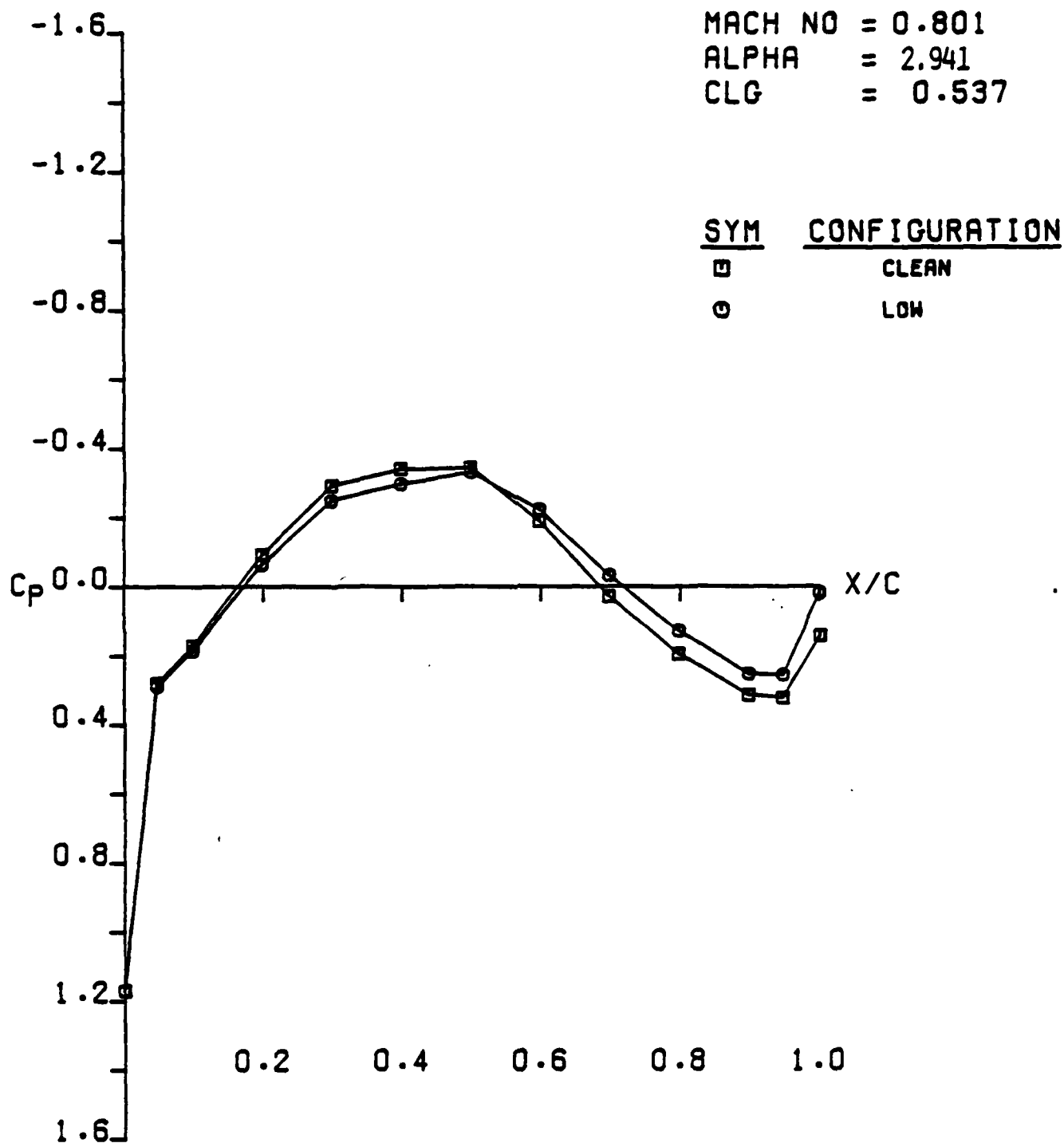
LOCKHEED CFWT SEMI-SPAN TEST, RUN 92
CLN VS LOW (UPR SURF ETA .95)
AFOSR SEMISPAN MODEL A

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	LOW

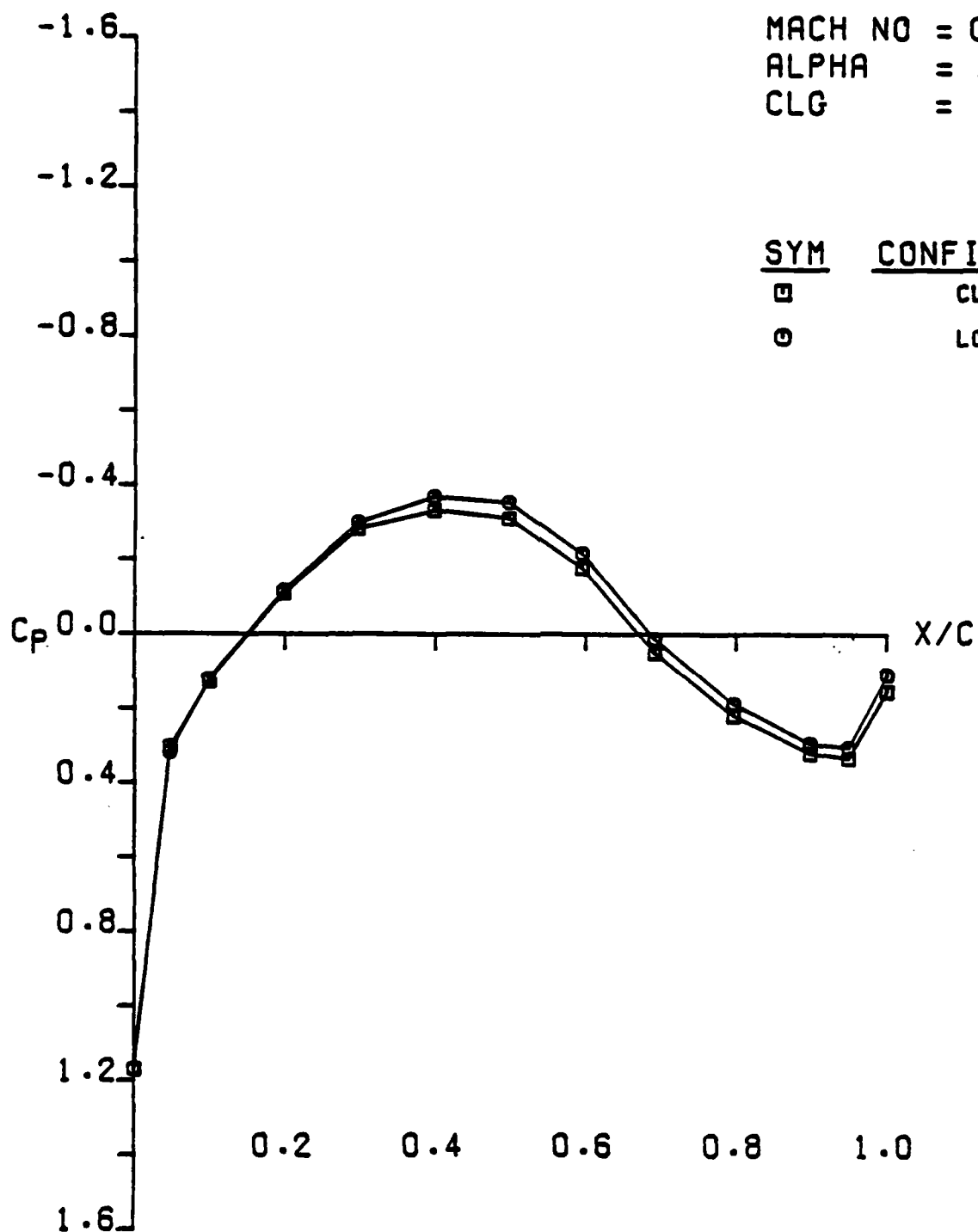


CONDITIONS
MACH NO = 0.801
ALPHA = 2.941

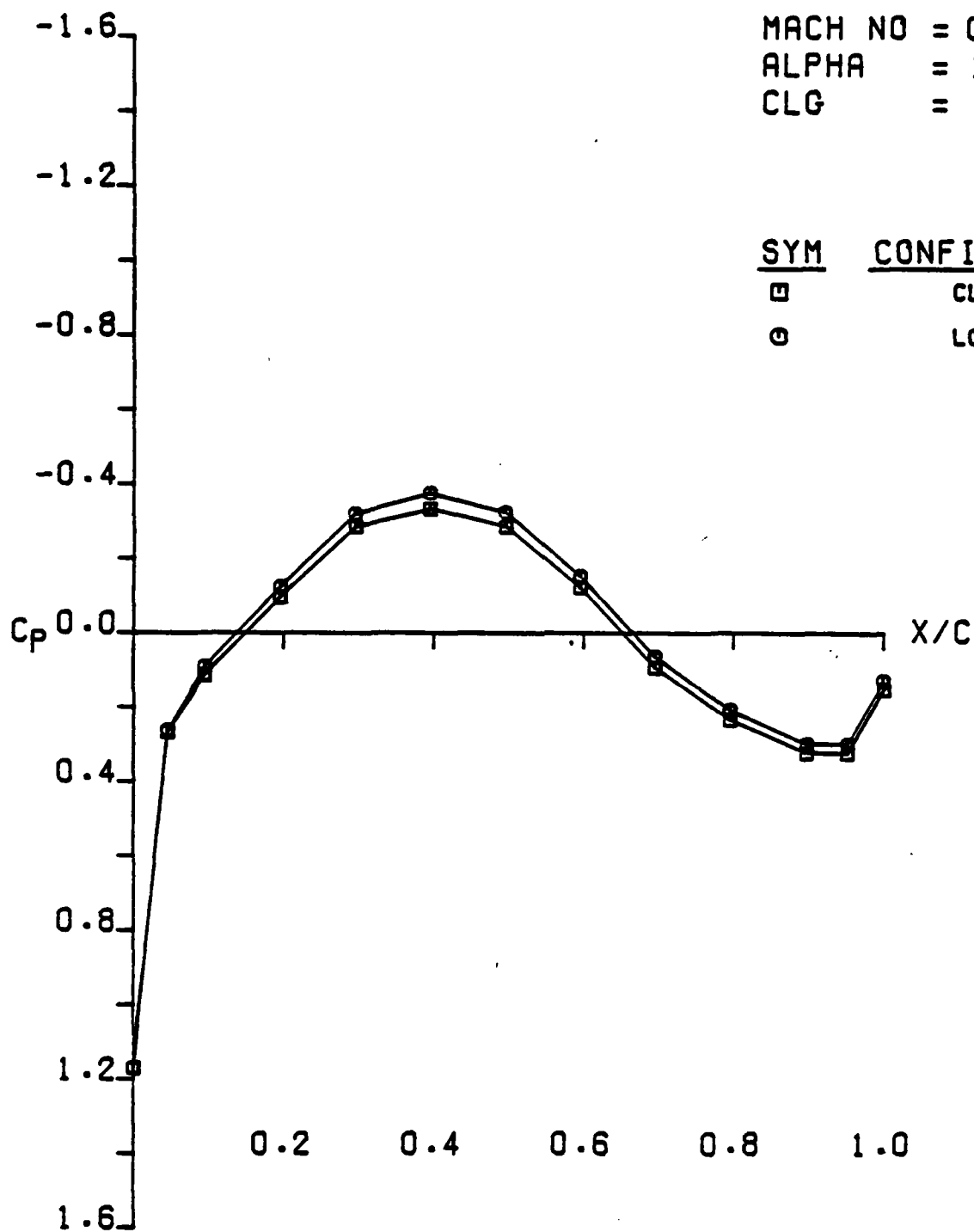
LOCKHEED CFWT SEMI-SPAN TEST, RUN 92
CLN VS LOW (LWR SURF)
AFOSR SEMISPAN MODEL A



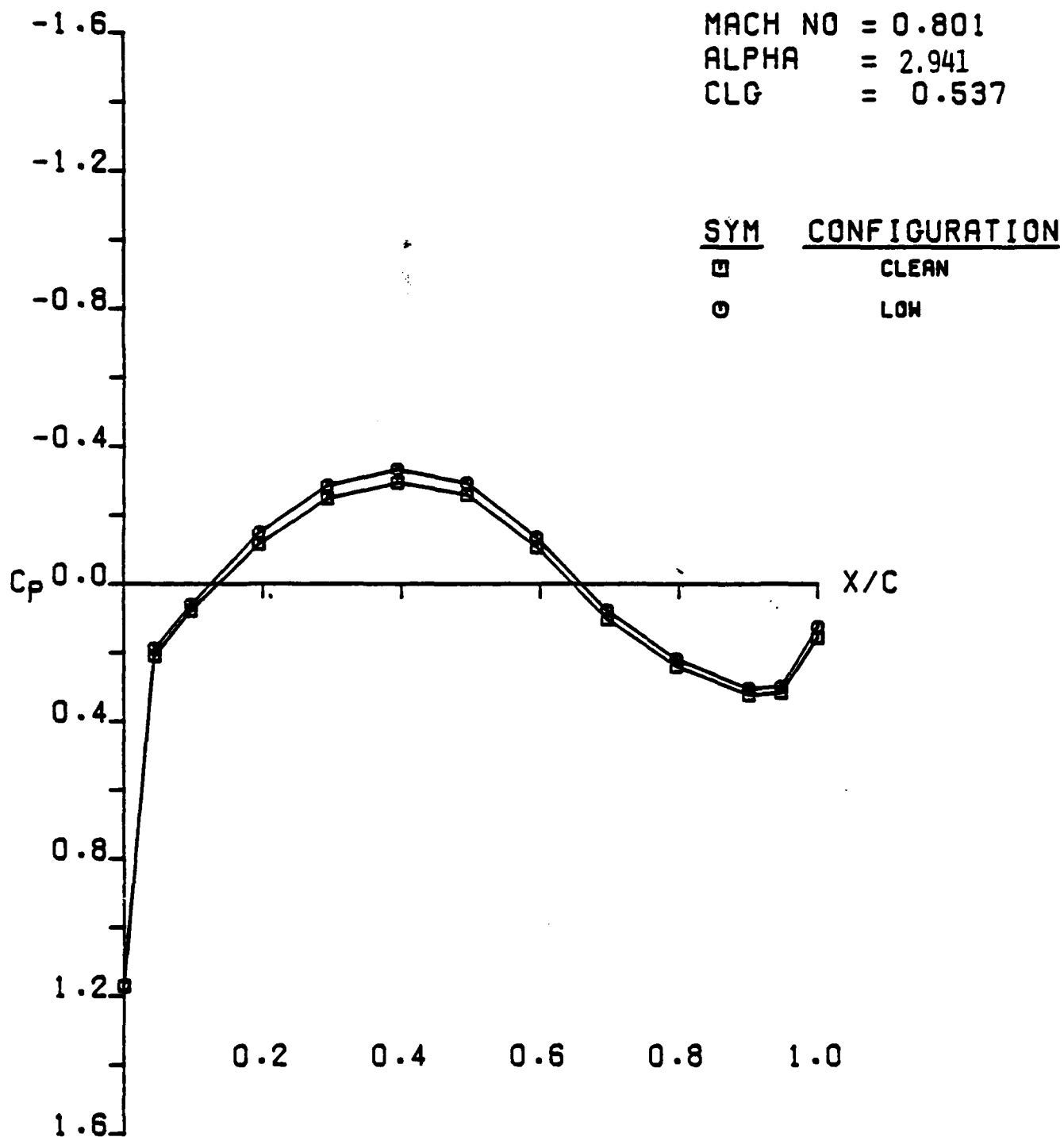
LOCKHEED CFWT SEMI-SPAN TEST, RUN 92
 CLN VS LOW (LWR SURF ETA .15)
 AFOSR SEMISPAN MODEL A



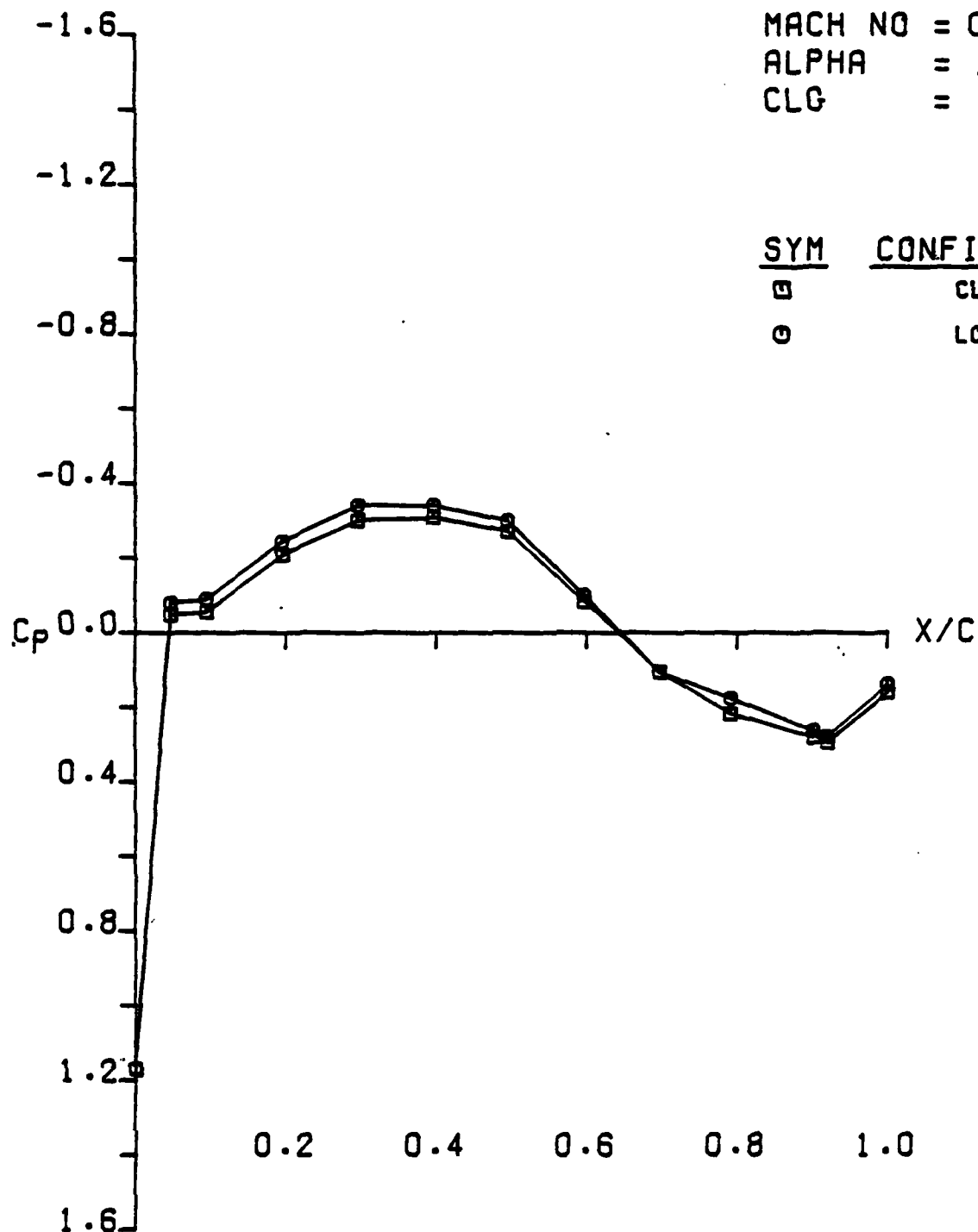
LOCKHEED CFWT SEMI-SPAN TEST, RUN 92
 CLN VS LOW (LWR SURF ETA .30)
 AFOSR SEMISPAN MODEL A



LOCKHEED CFWT SEMI-SPAN TEST, RUN 92
 CLN VS LOW (LWR SURF ETA .50)
 AFOSR SEMISPAN MODEL A



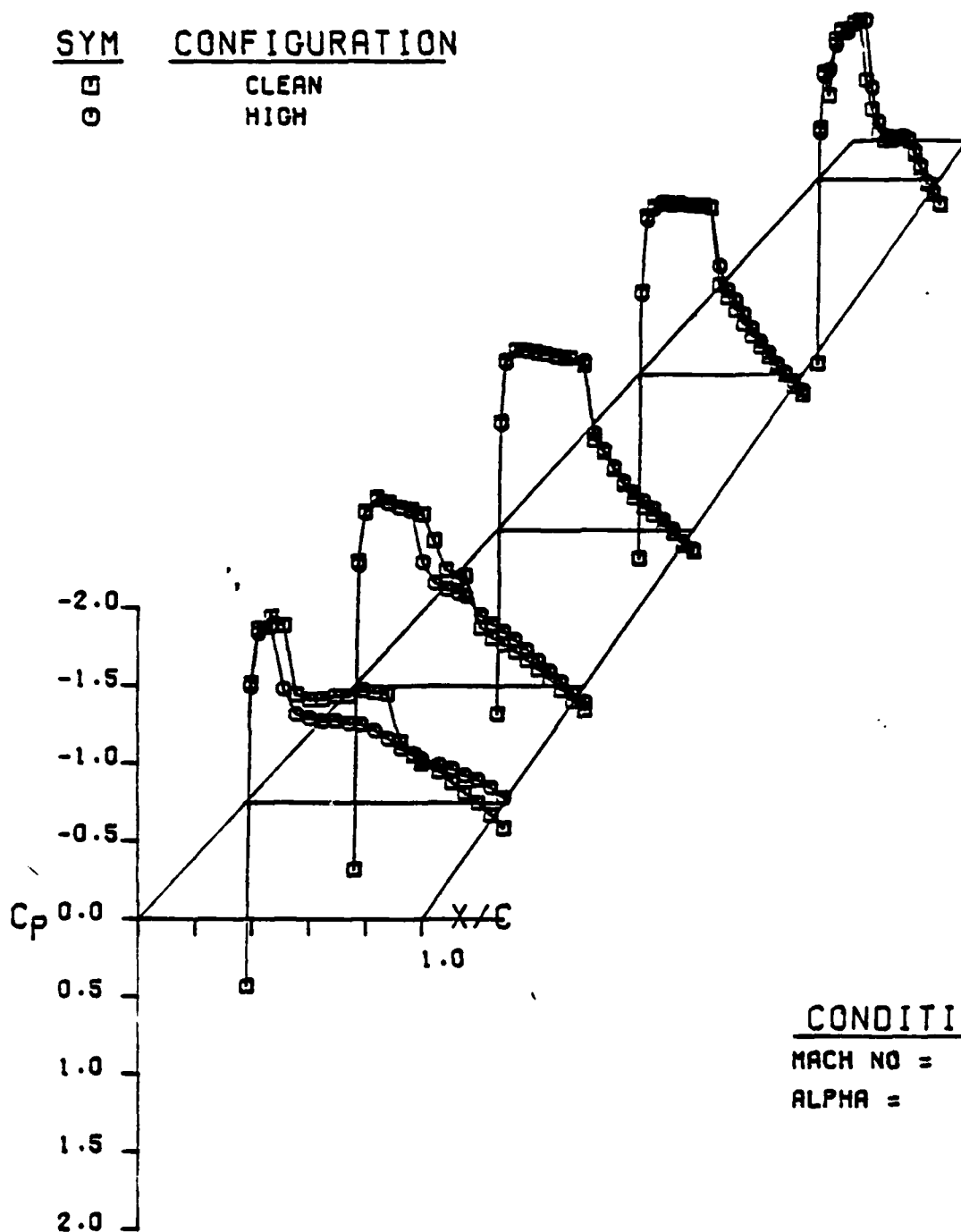
LOCKHEED CFWT SEMI-SPAN TEST, RUN 92
 CLN VS LOW (LWR SURF ETA .70)
 AFOSR SEMISPAN MODEL A



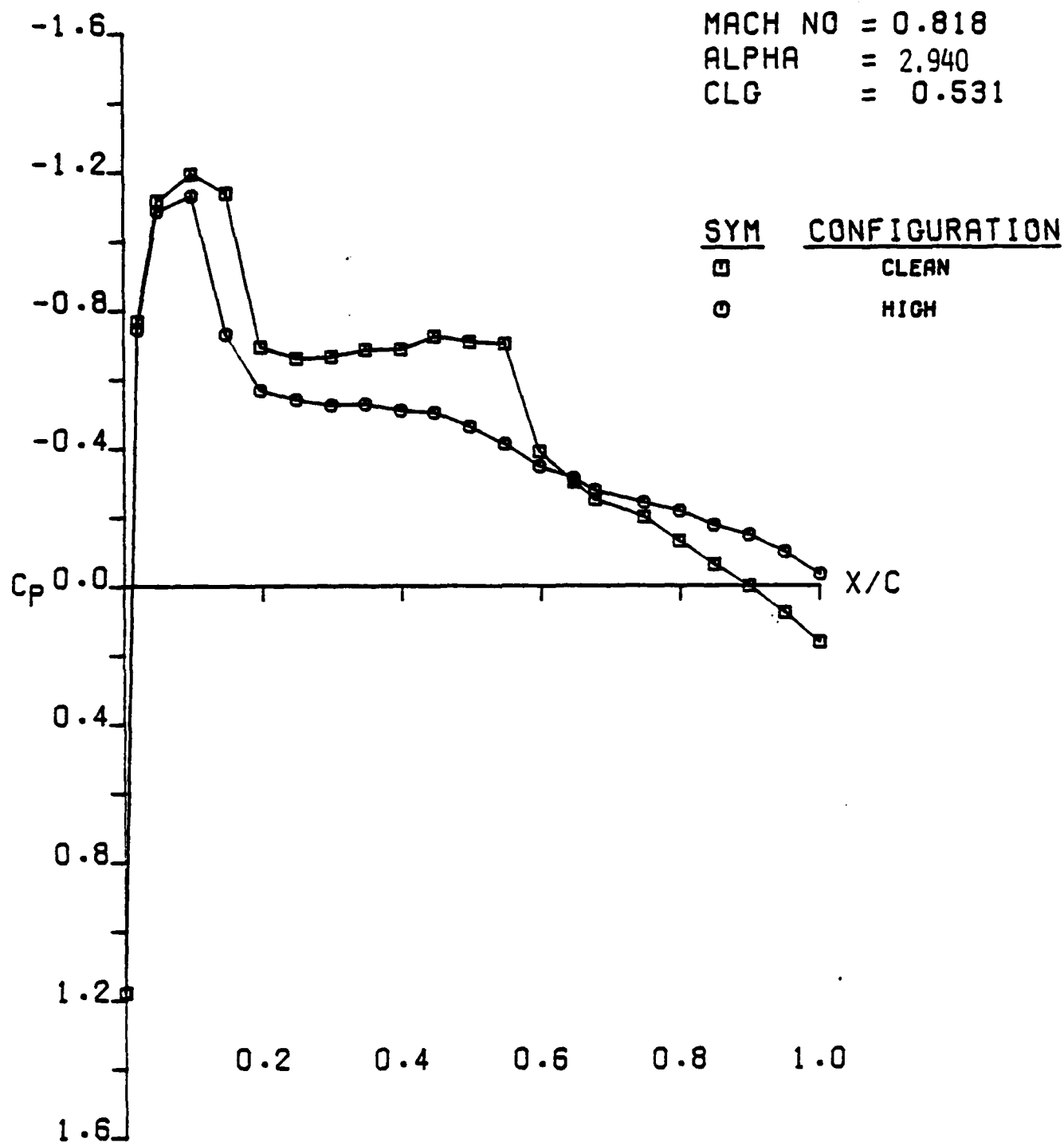
MACH NO = 0.801
 ALPHA = 2.941
 CLG = 0.537

SYM	CONFIGURATION
□	CLEAN
○	LOW

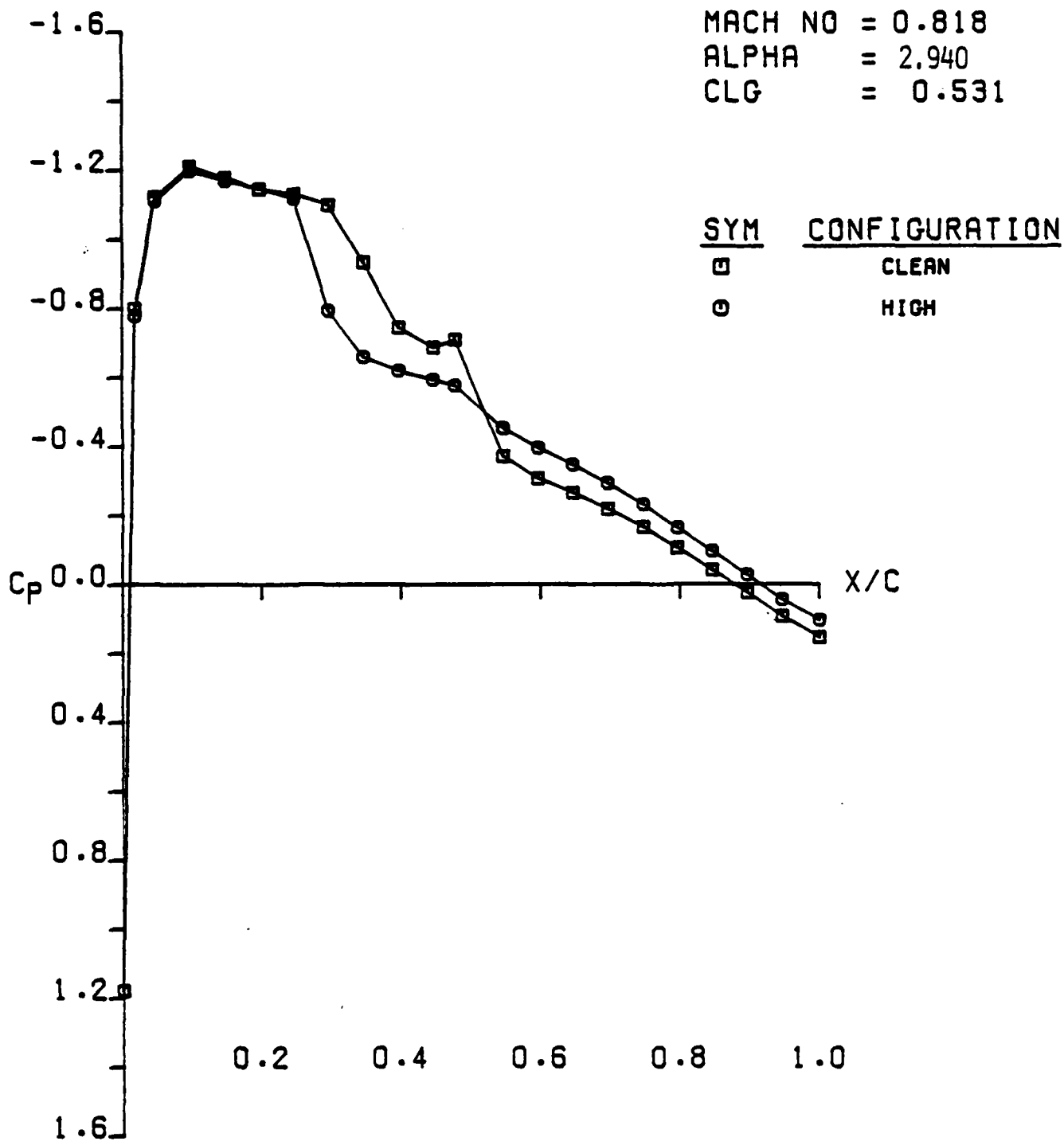
LOCKHEED CFWT SEMI-SPAN TEST, RUN 92
 CLN VS LOW (LWR SURF ETA .95)
 AFOSR SEMISPAN MODEL A



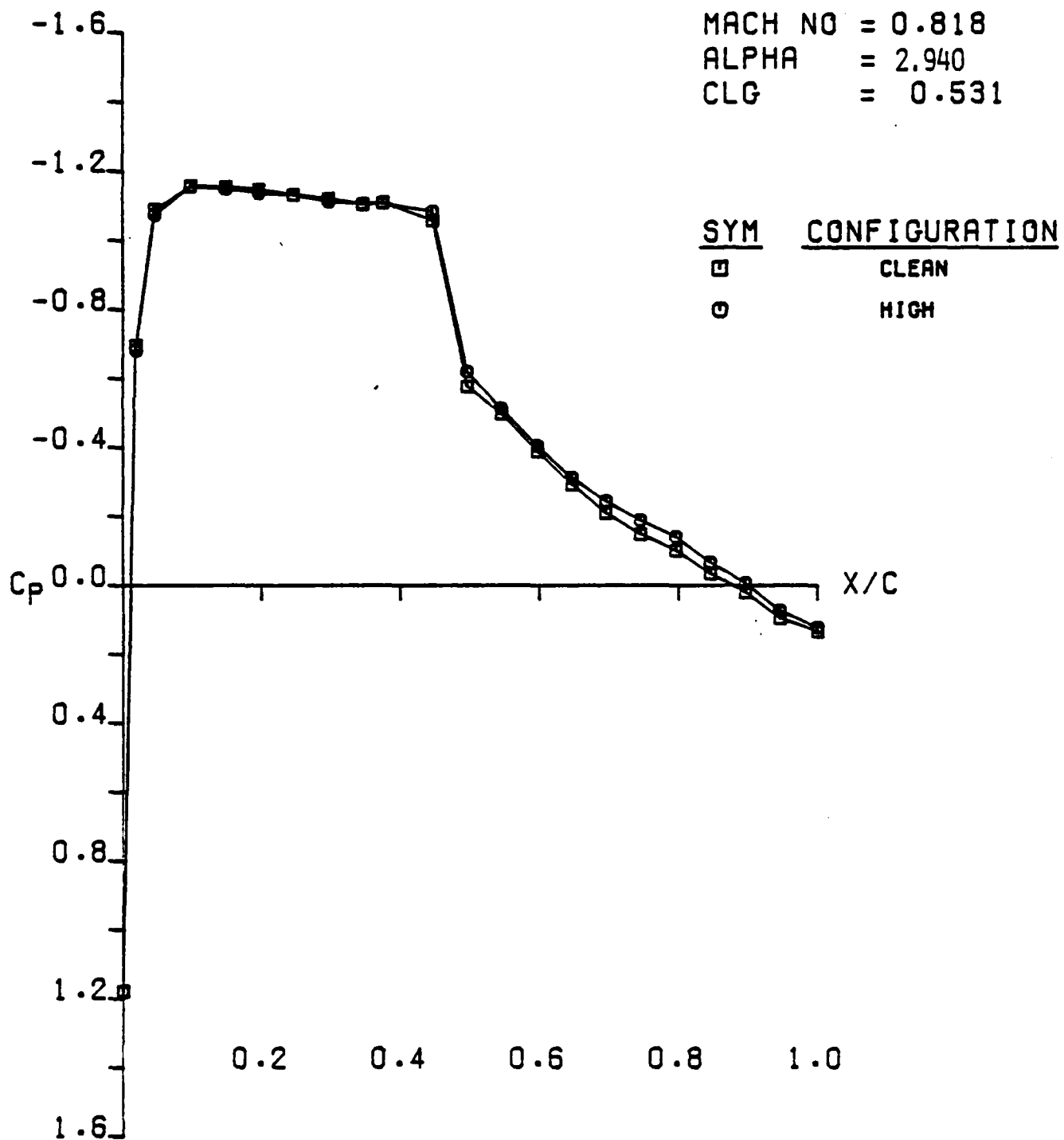
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 CLN VS HIGH (UPR SURF)
 AFOSR SEMISPAN MODEL A



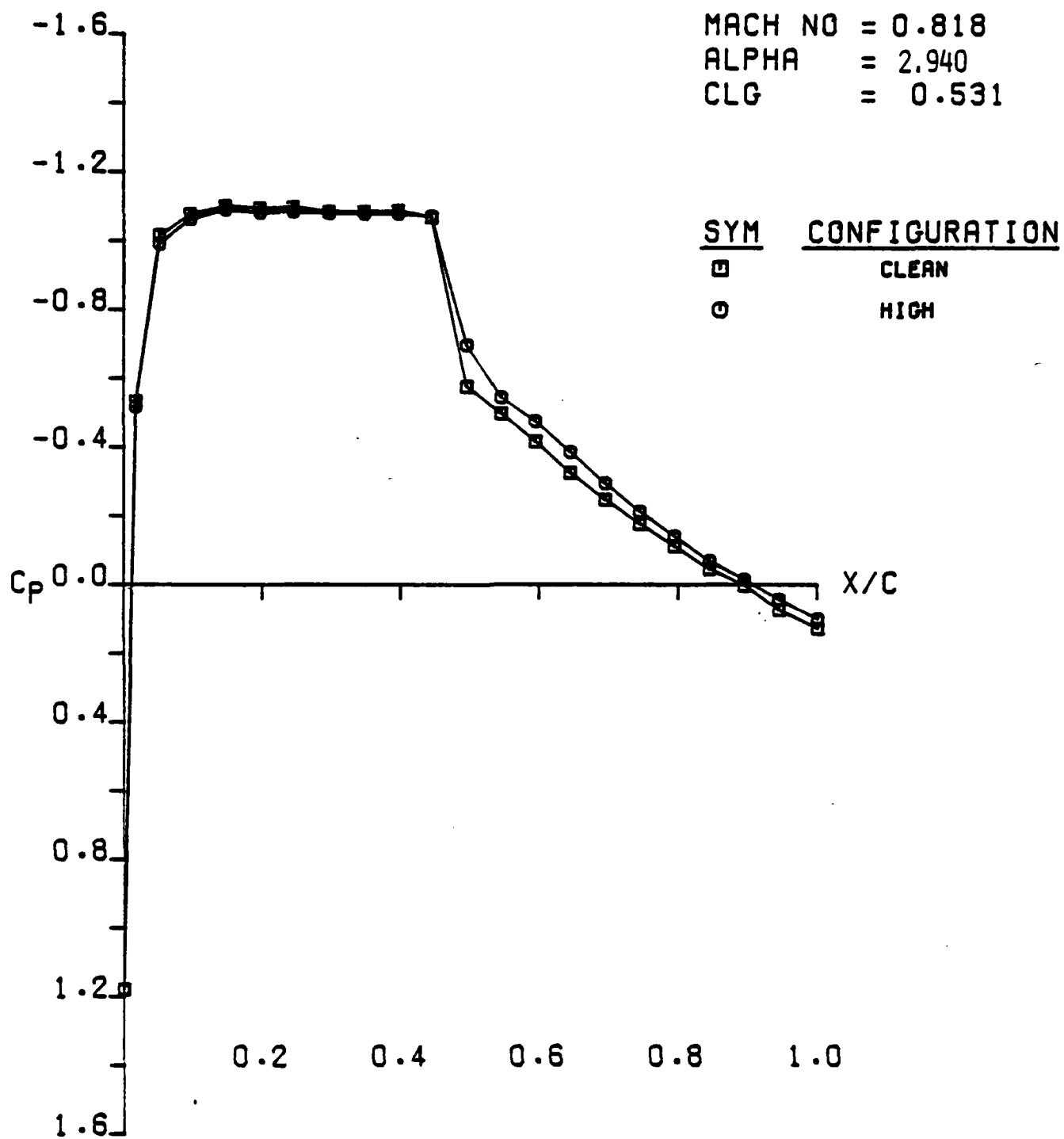
LOCKHEED CFWT SEMI-SPAN TEST, RUN 35
 CLN VS HIGH (UPR SURF ETA .15)
 AFOSR SEMISPAN MODEL A



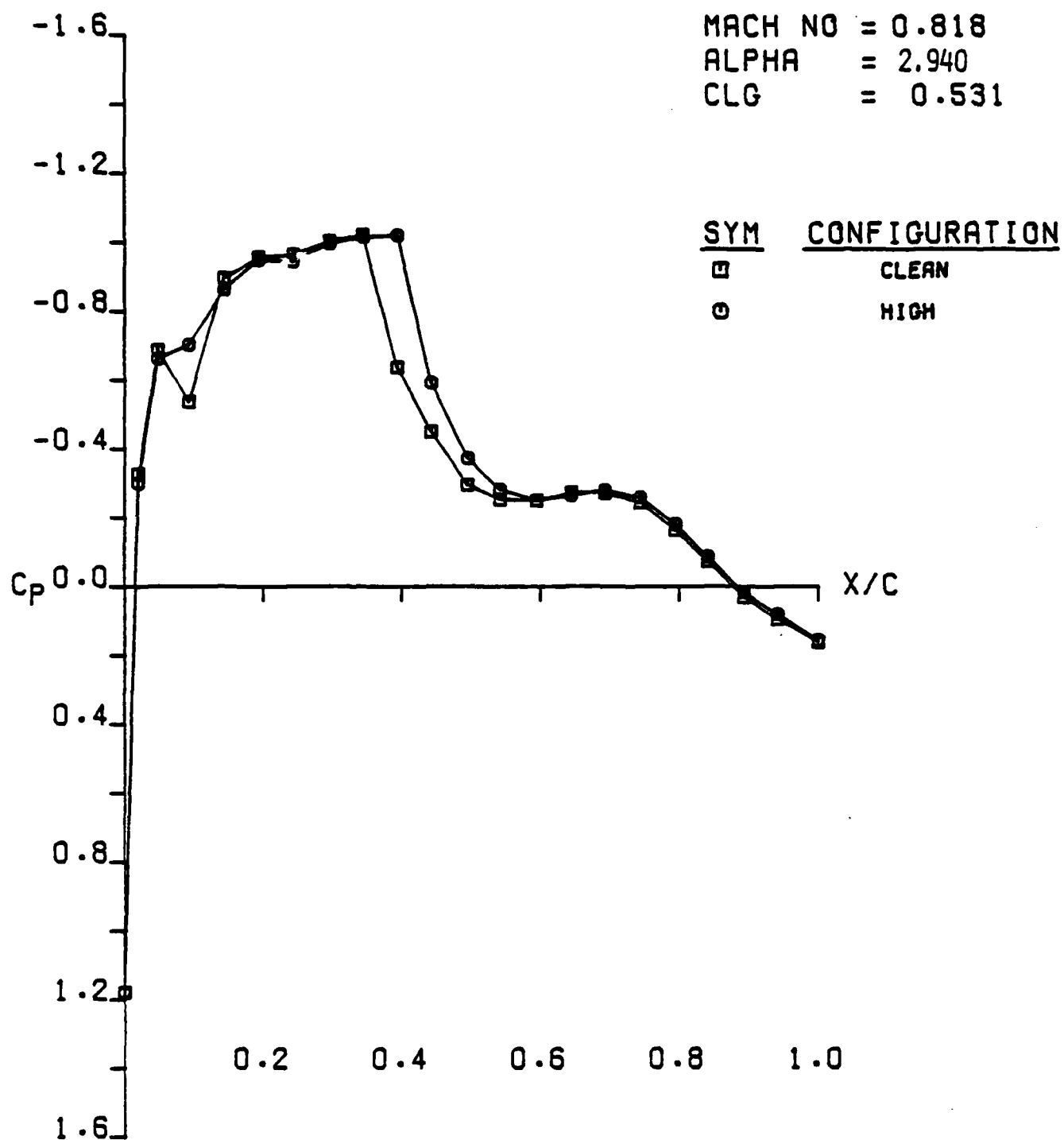
LOCKHEED CFWT SEMI-SPAN TEST, RUN 35
 CLN VS HIGH (UPR SURF ETA .30)
 AFOSR SEMISPAN MODEL A



LOCKHEED CFWT SEMI-SPAN TEST, RUN 35
CLN VS HIGH (UPR SURF ETA .50)
AFOSR SEMISPAN MODEL A



LOCKHEED CFWT SEMI-SPAN TEST, RUN 35
CLN VS HIGH (UPR SURF ETA .70)
AFOSR SEMISPAN MODEL A

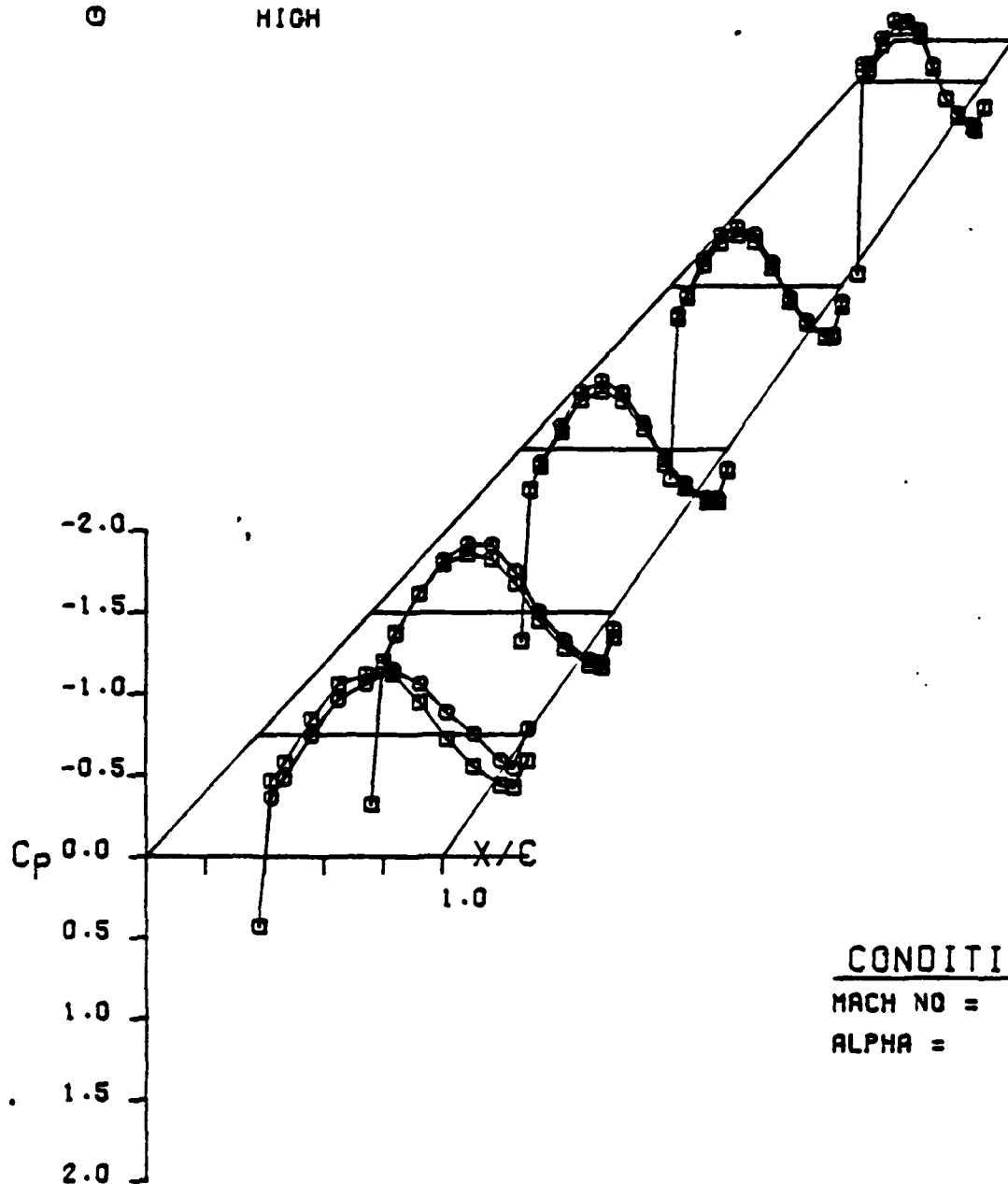


LOCKHEED CFWT SEMI-SPAN TEST, RUN 35
 CLN VS HIGH (UPR SURF ETA .95)
 AFOSR SEMISPAN MODEL A

SYM CONFIGURATION

□
○

CLEAN
HIGH

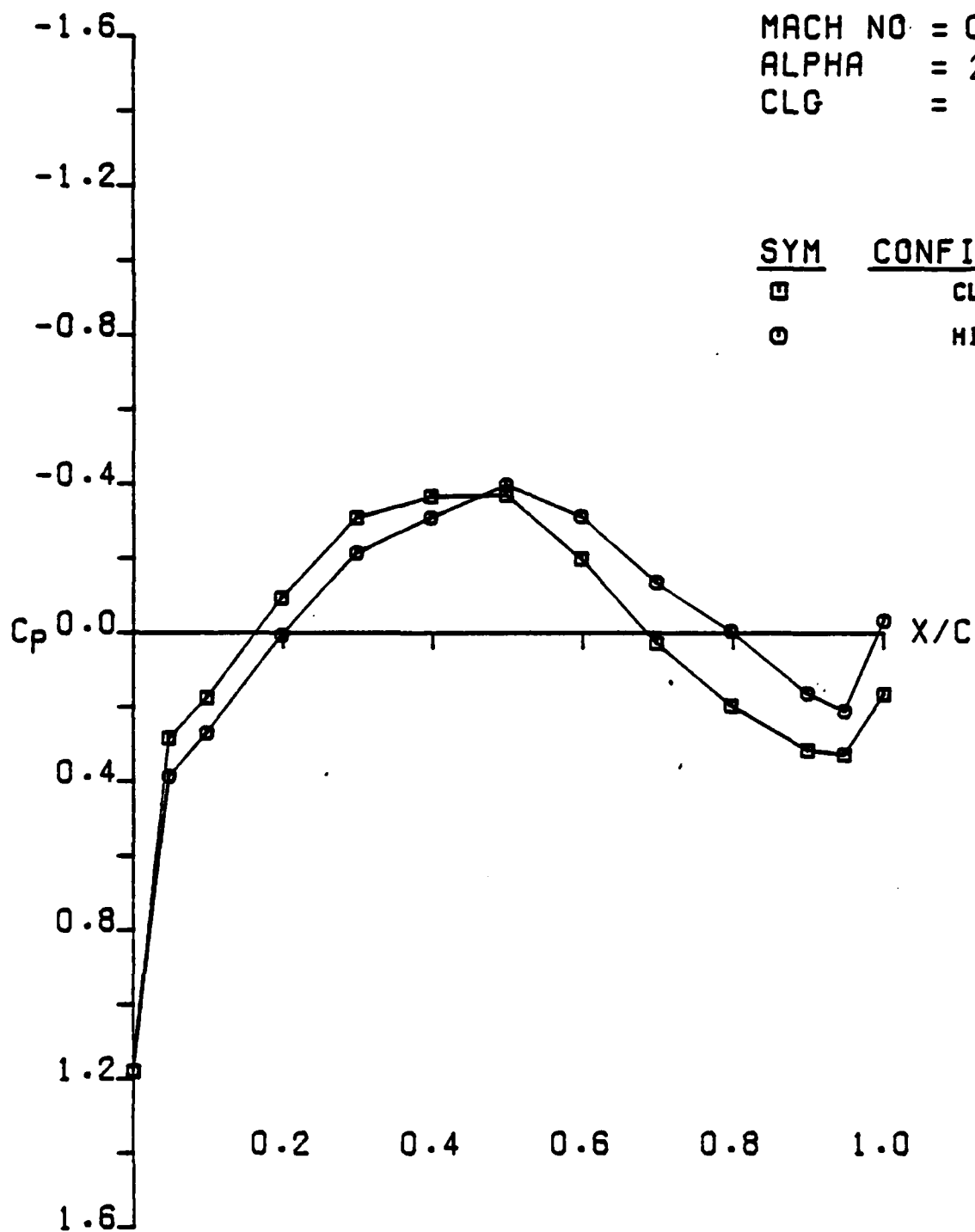


CONDITIONS

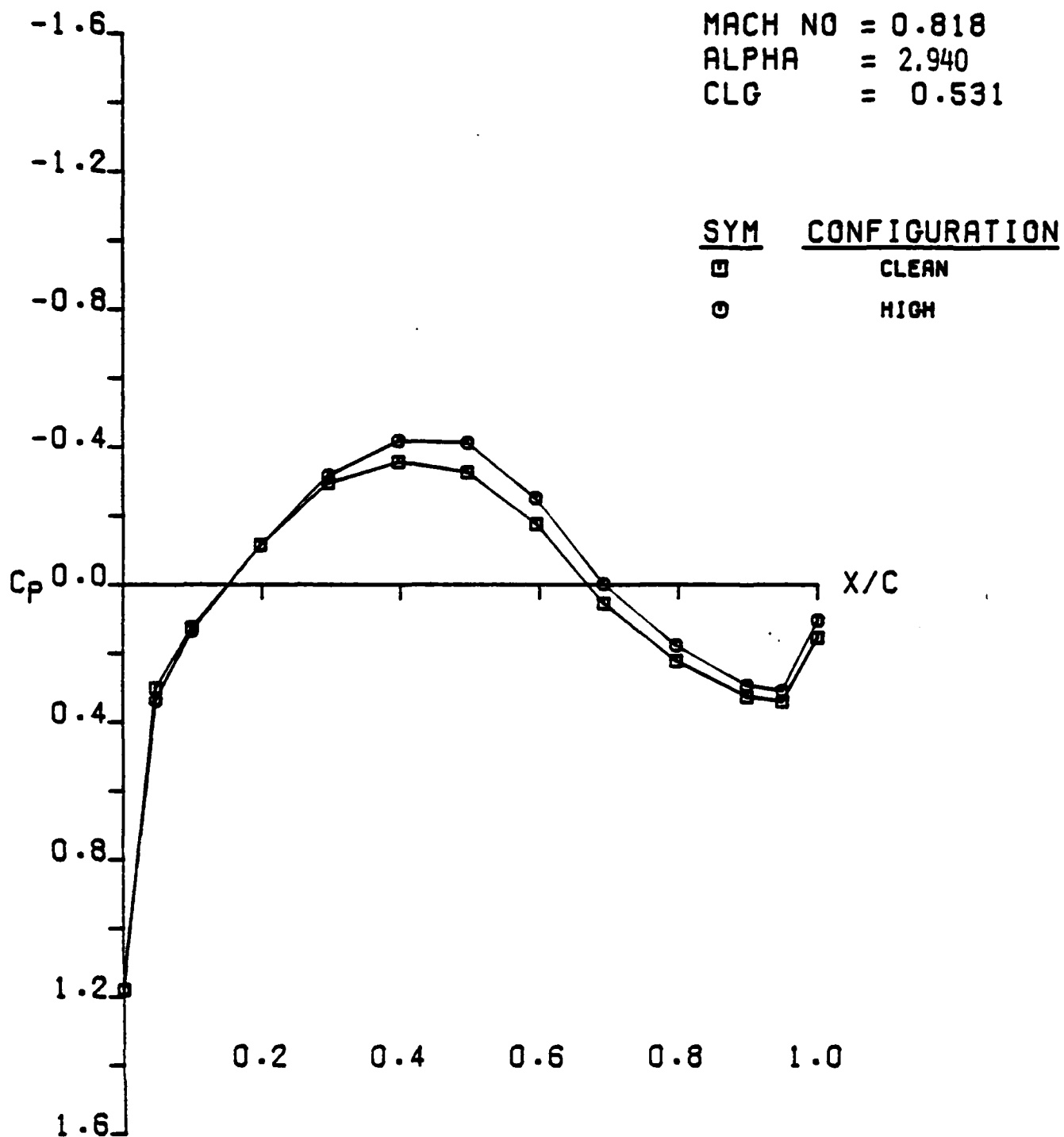
MACH NO = 0.818

ALPHA = 2.940

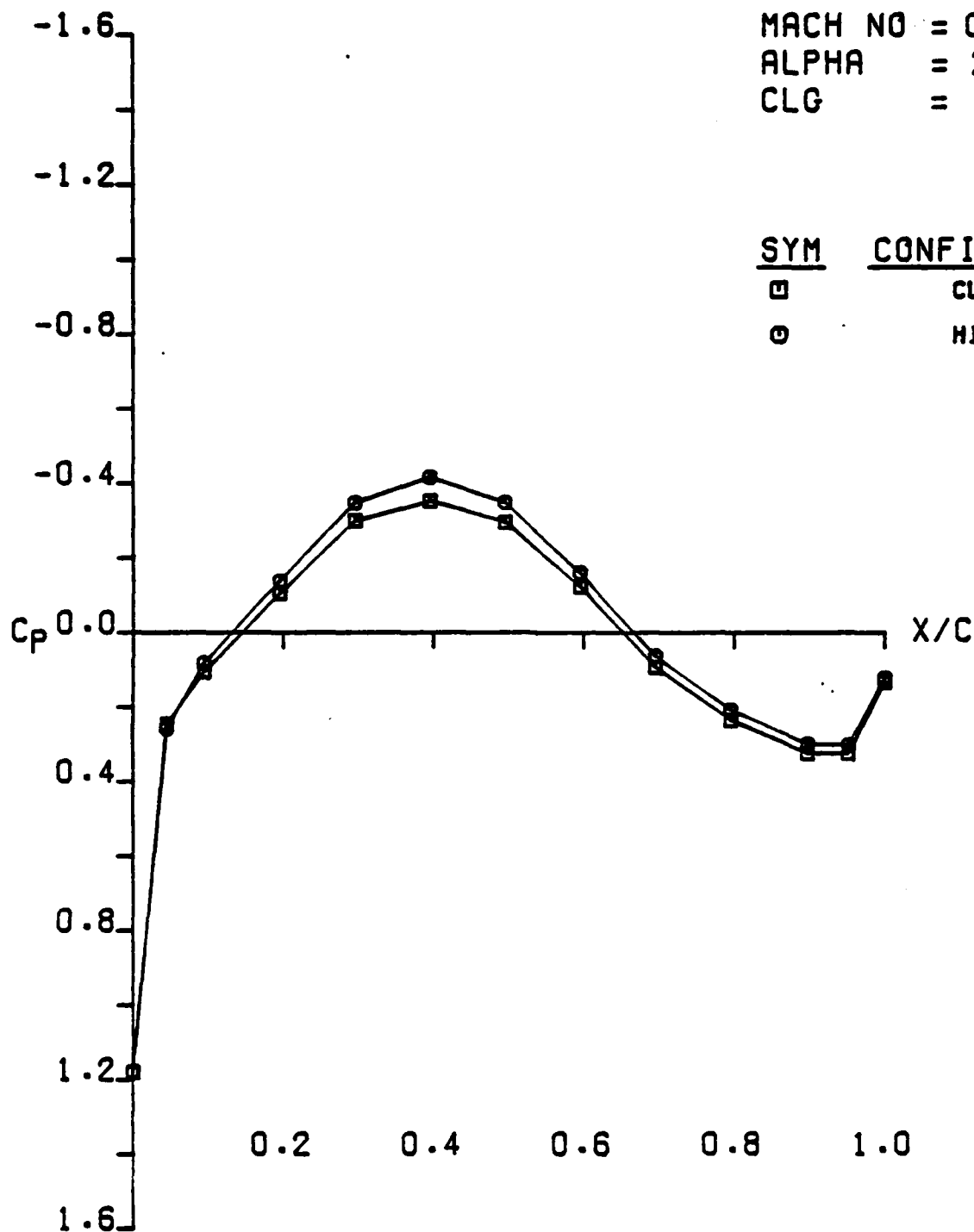
LOCKHEED CFWT SEMI-SPAN TEST, RUN 35
CLN VS HIGH (LWR SURF)
AFOSR SEMISPAN MODEL A



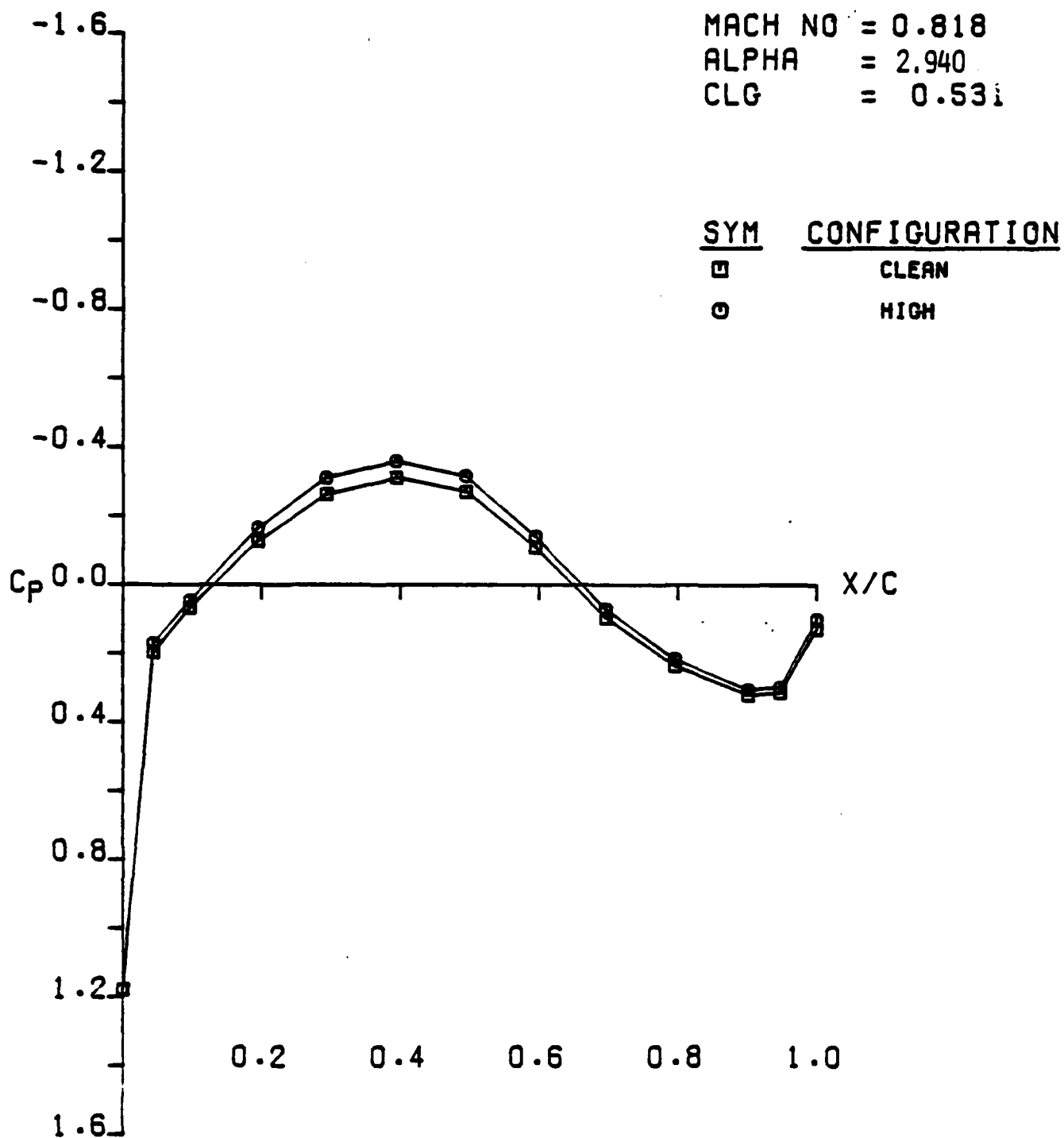
LOCKHEED CFWT SEMI-SPAN TEST, RUN 35
 CLN VS HIGH (LWR SURF ETA .15)
 AFOSR SEMISPAN MODEL A

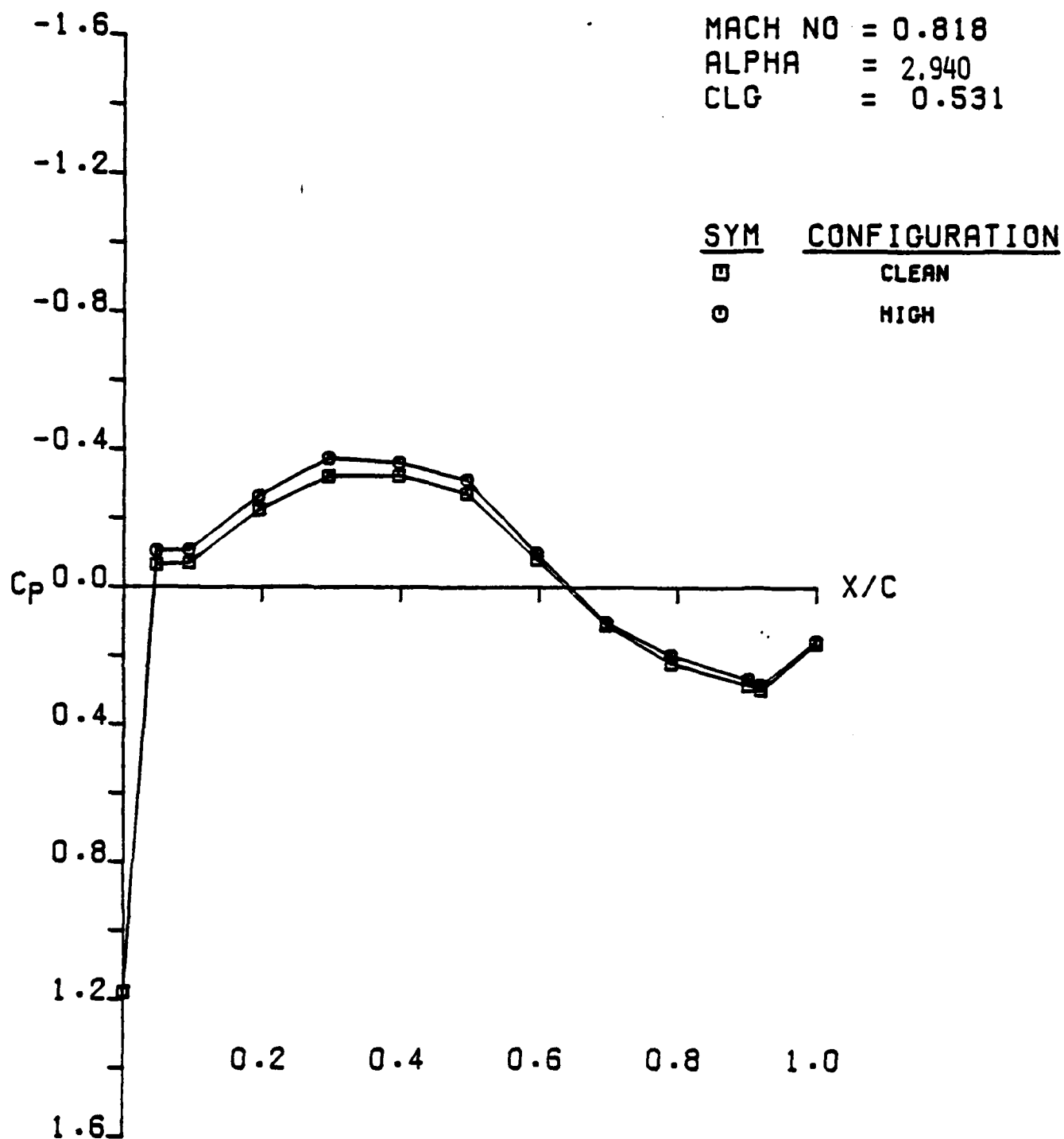


LOCKHEED CFWT SEMI-SPAN TEST. RUN 35
 CLN VS HIGH (LWR SURF ETA .30)
 AFOSR SEMISPAN MODEL A

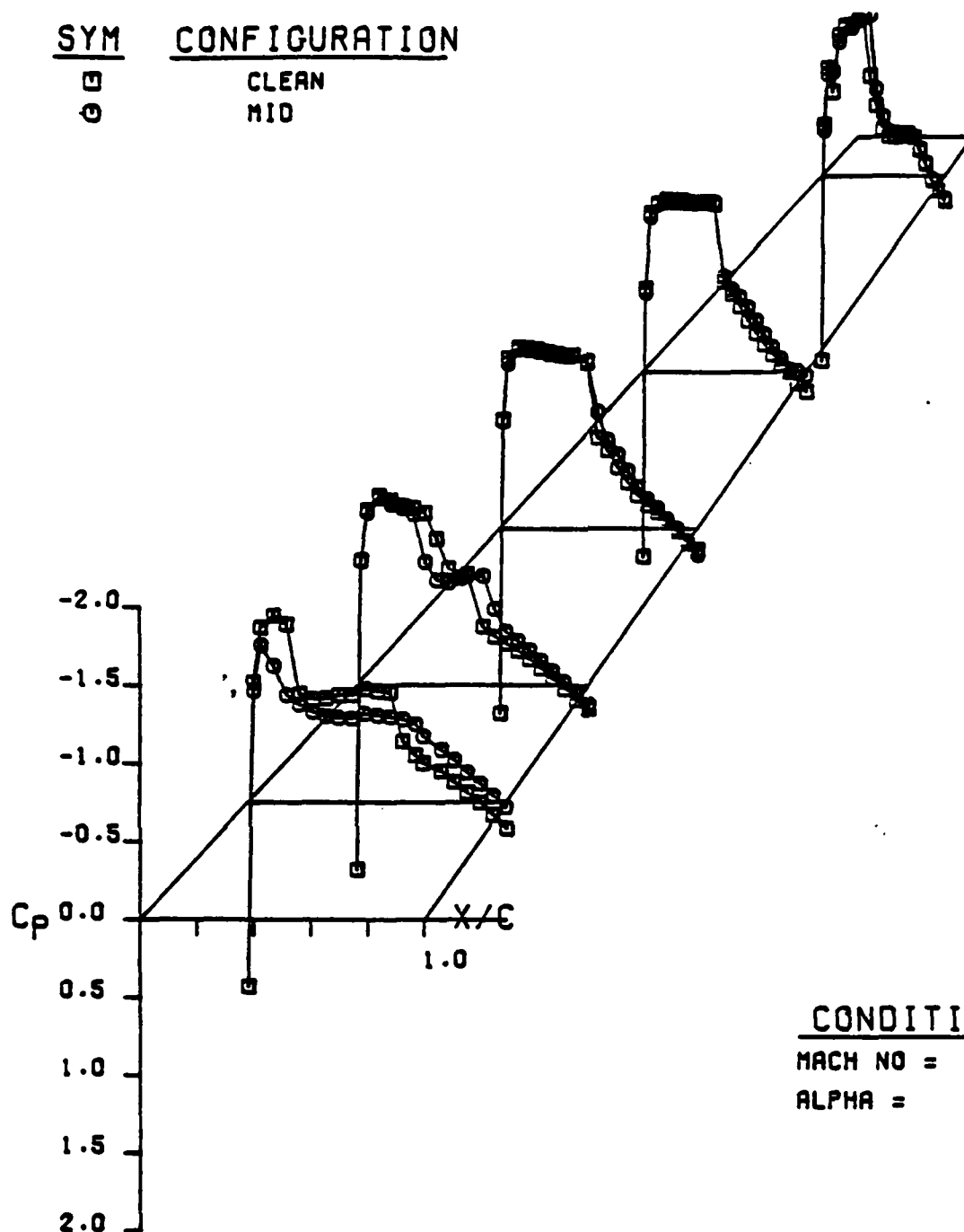


LOCKHEED CFWT SEMI-SPAN TEST, RUN 35
 CLN VS HIGH (LWR SURF ETA .50)
 AFOSR SEMISPAN MODEL A





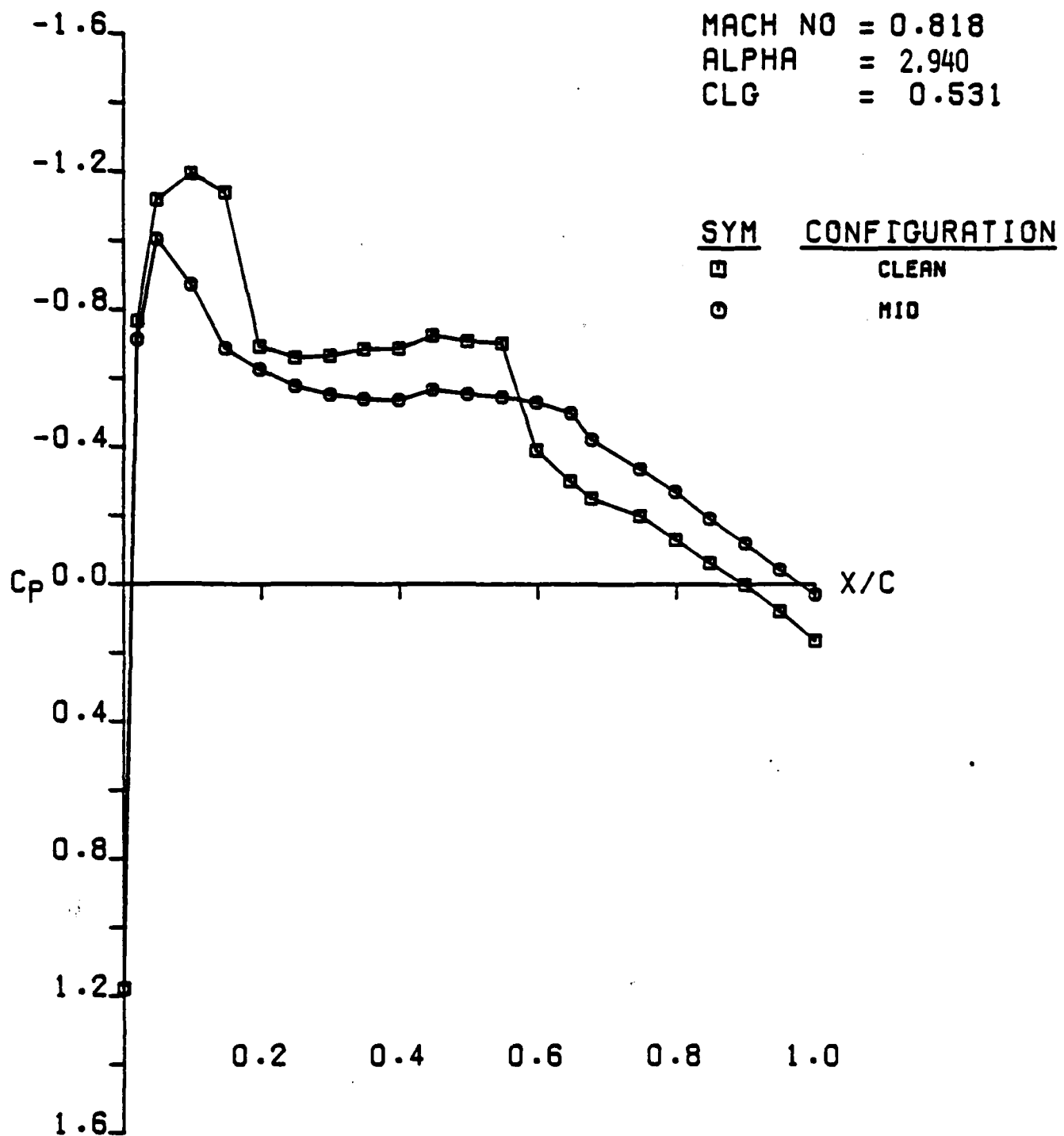
LOCKHEED CFWT SEMI-SPAN TEST, RUN 35
 CLN VS HIGH (LWR SURF ETA .95)
 AFOSR SEMISPAN MODEL A



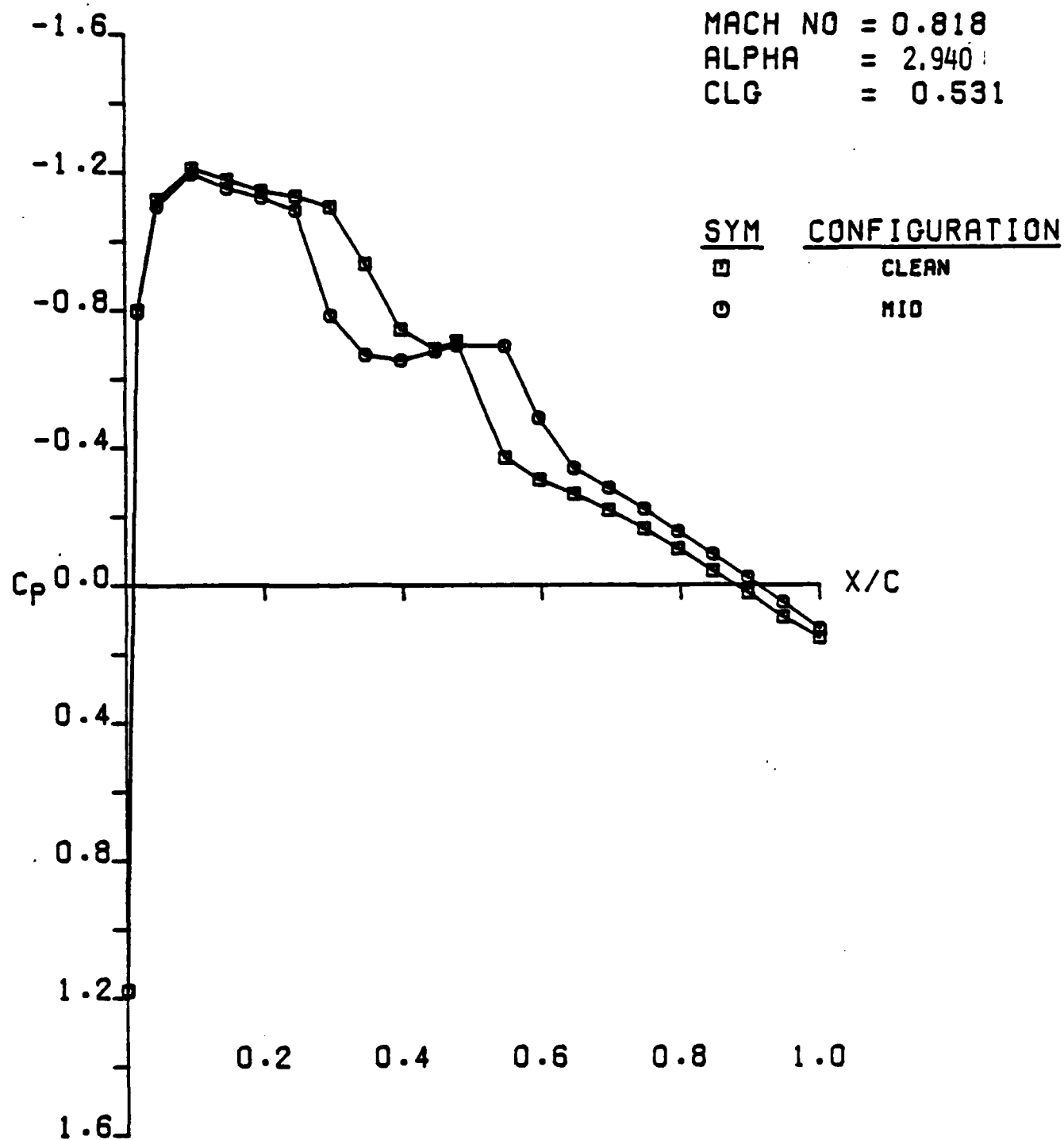
CONDITIONS
 MACH NO = 0.818
 ALPHA = 2.940

LOCKHEED CFWT SEMI-SPAN TEST, RUN 35
 CLN VS MID (UPR SURF)
 AFOSR SEMISPAN MODEL A

MACH NO = 0.818
 ALPHA = 2.940
 CLG = 0.531

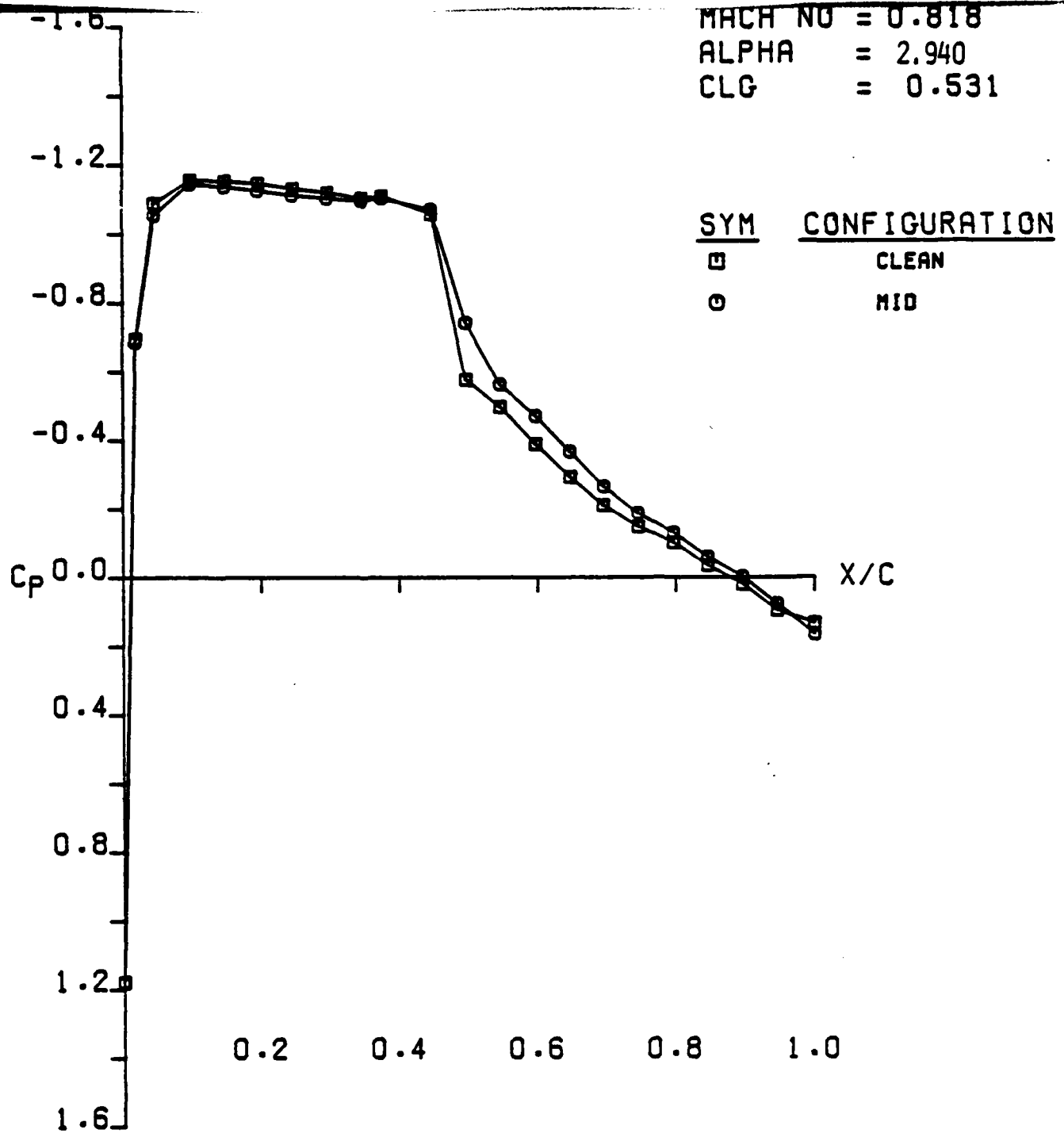


LOCKHEED CFWT SEMI-SPAN TEST, RUN 35
 CLN VS MID (UPR SURF ETA .15)
 AFOSR SEMISPAN MODEL A

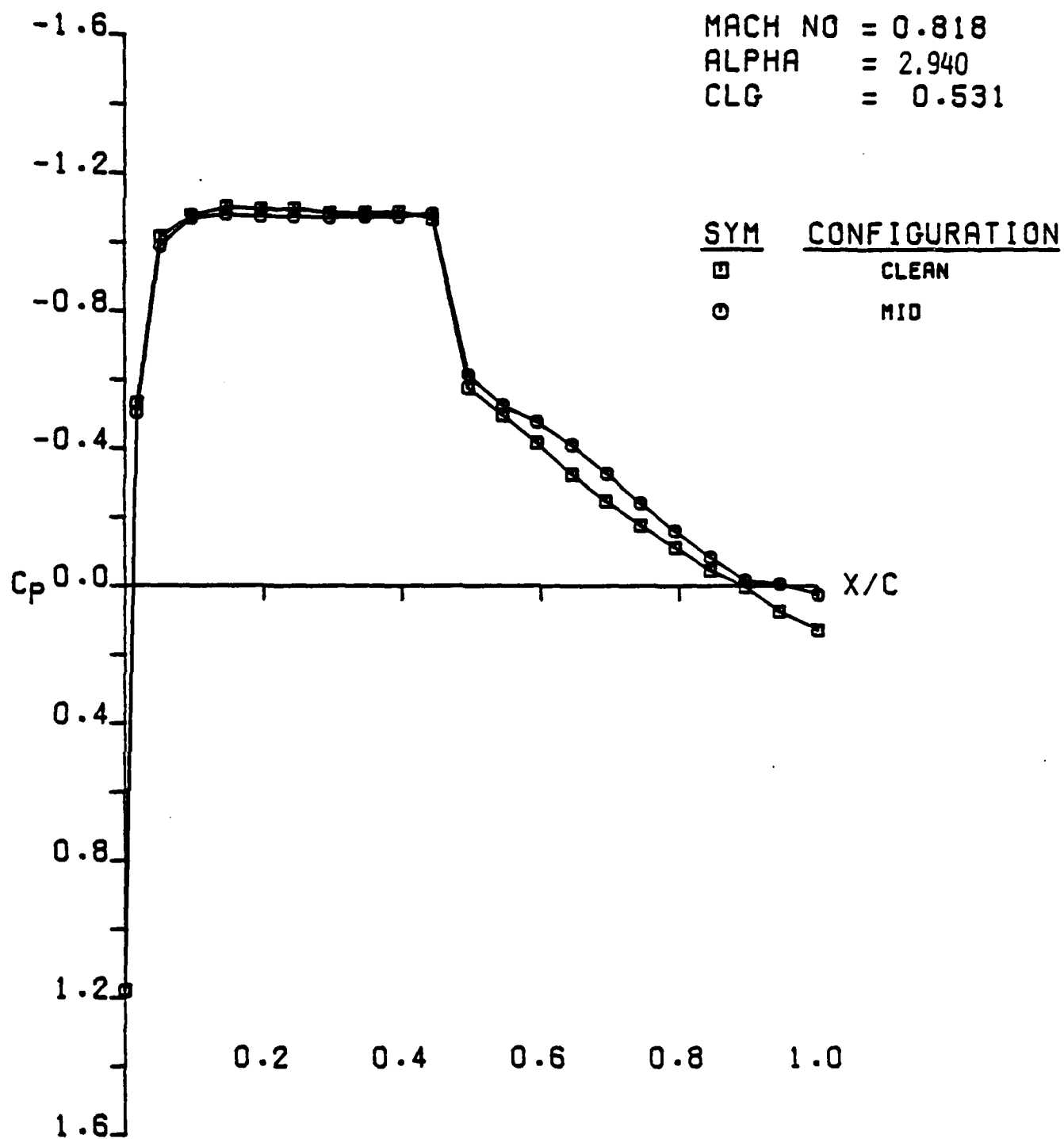


LOCKHEED CFWT SEMI-SPAN TEST, RUN 35
 CLN VS MID (UPR SURF ETA .30)
 AFOSR SEMISPAN MODEL A

MACH NO = 0.818
ALPHA = 2.940
CLG = 0.531

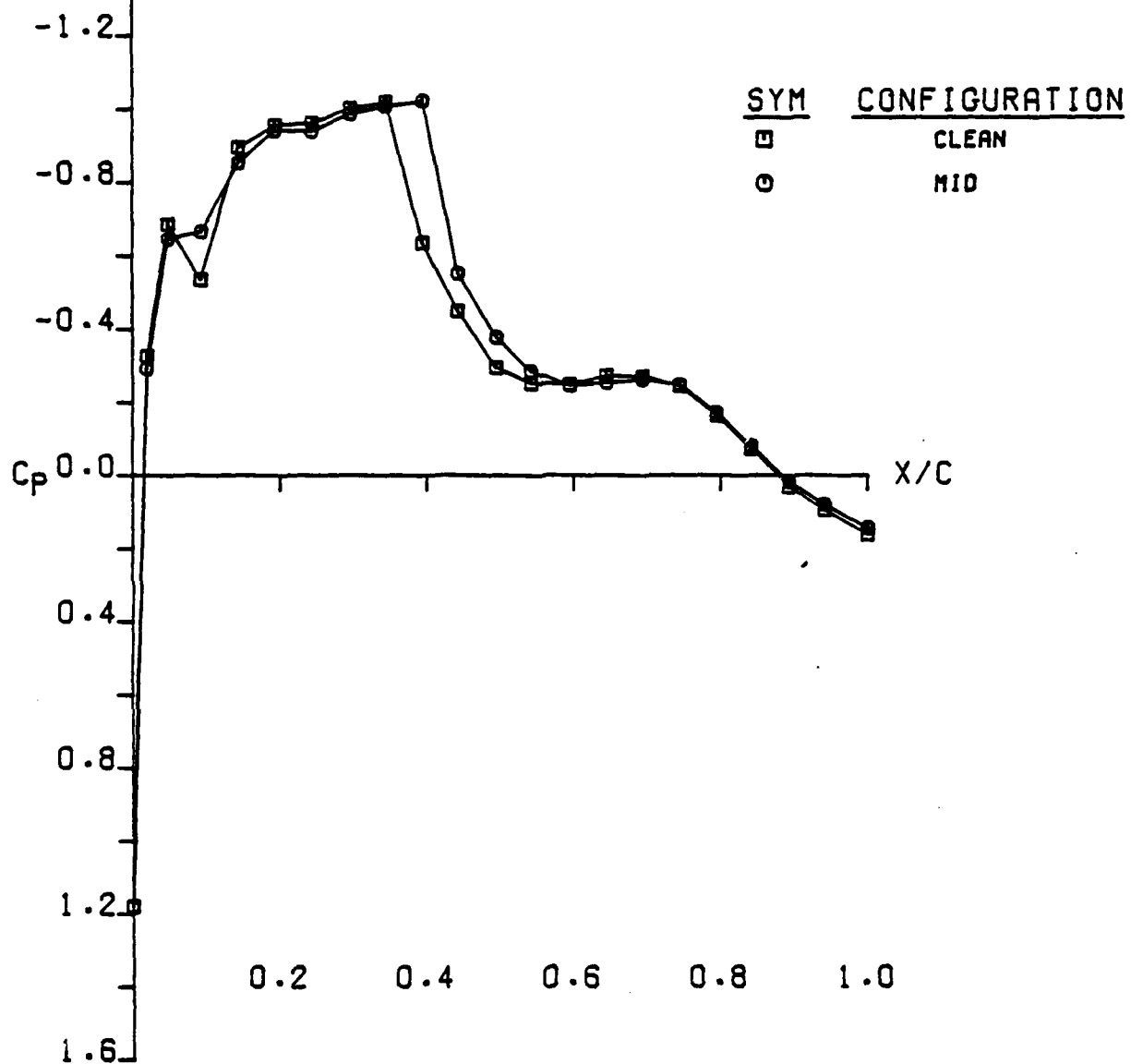


LOCKHEED CFWT SEMI-SPAN TEST, RUN 35
CLN VS MID (UPR SURF ETA .50)
AFOSR SEMISPAN MODEL A



LOCKHEED CFWT SEMI-SPAN TEST, RUN 35
 CLN VS MID (UPR SURF ETA .70)
 AFOSR SEMISPAN MODEL A

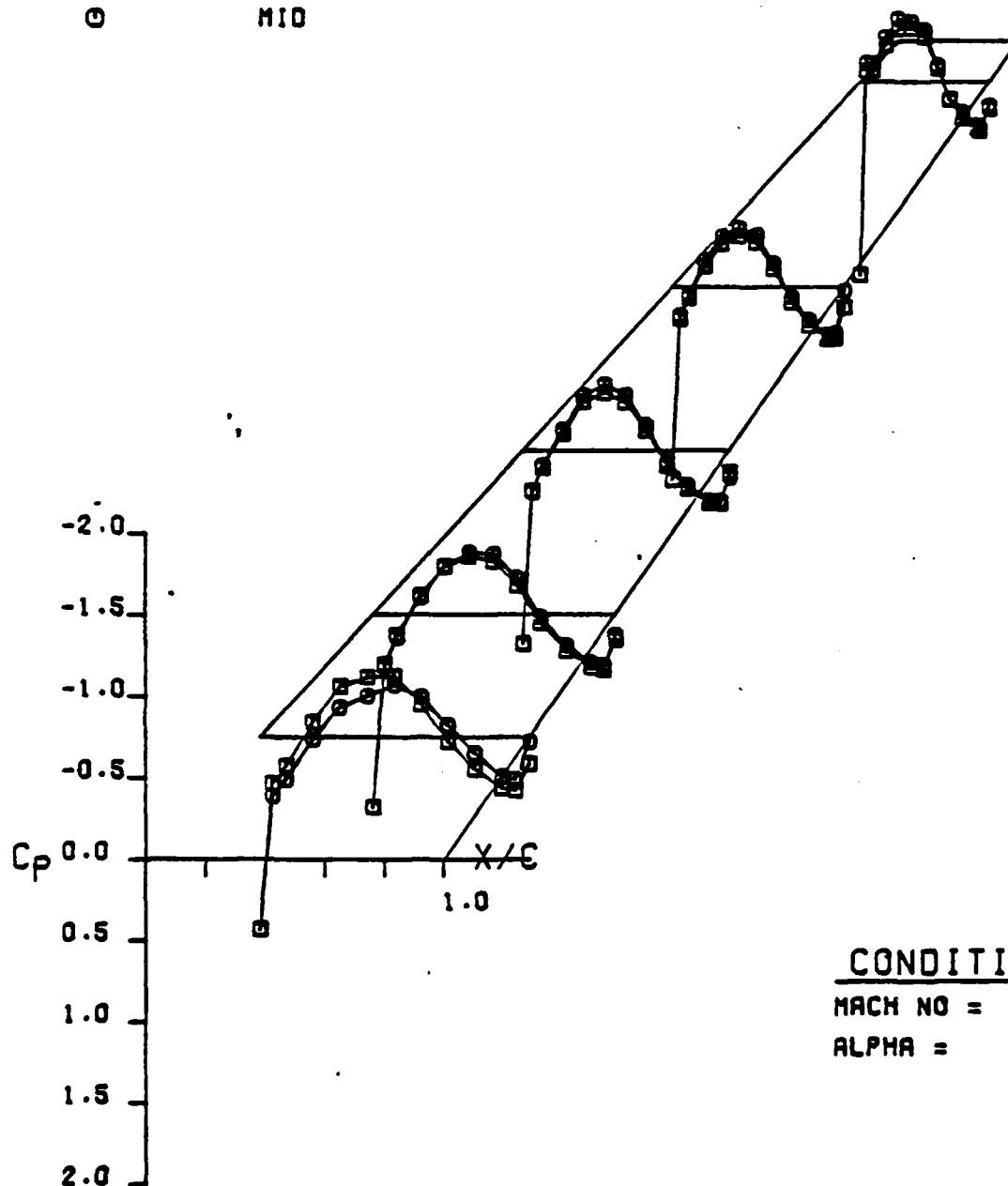
MACH NO = 0.818
ALPHA = 2.940
CLG = 0.531



LOCKHEED CFWT SEMI-SPAN TEST, RUN 35
CLN VS MID (UPR SURF ETA .95)
AFOSR SEMISPAN MODEL A

SYM CONFIGURATION

□ CLEAN
○ MID

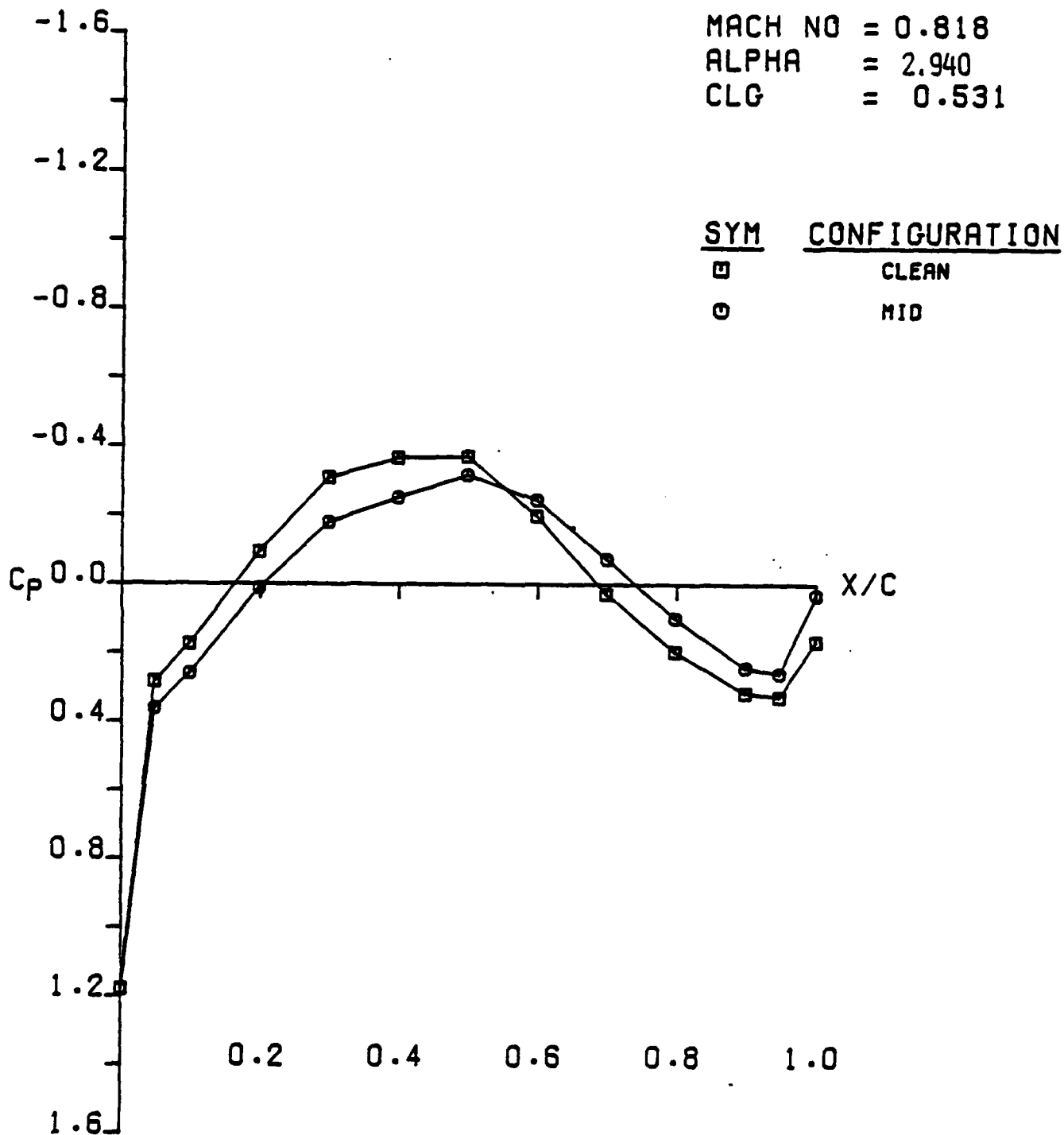


CONDITIONS

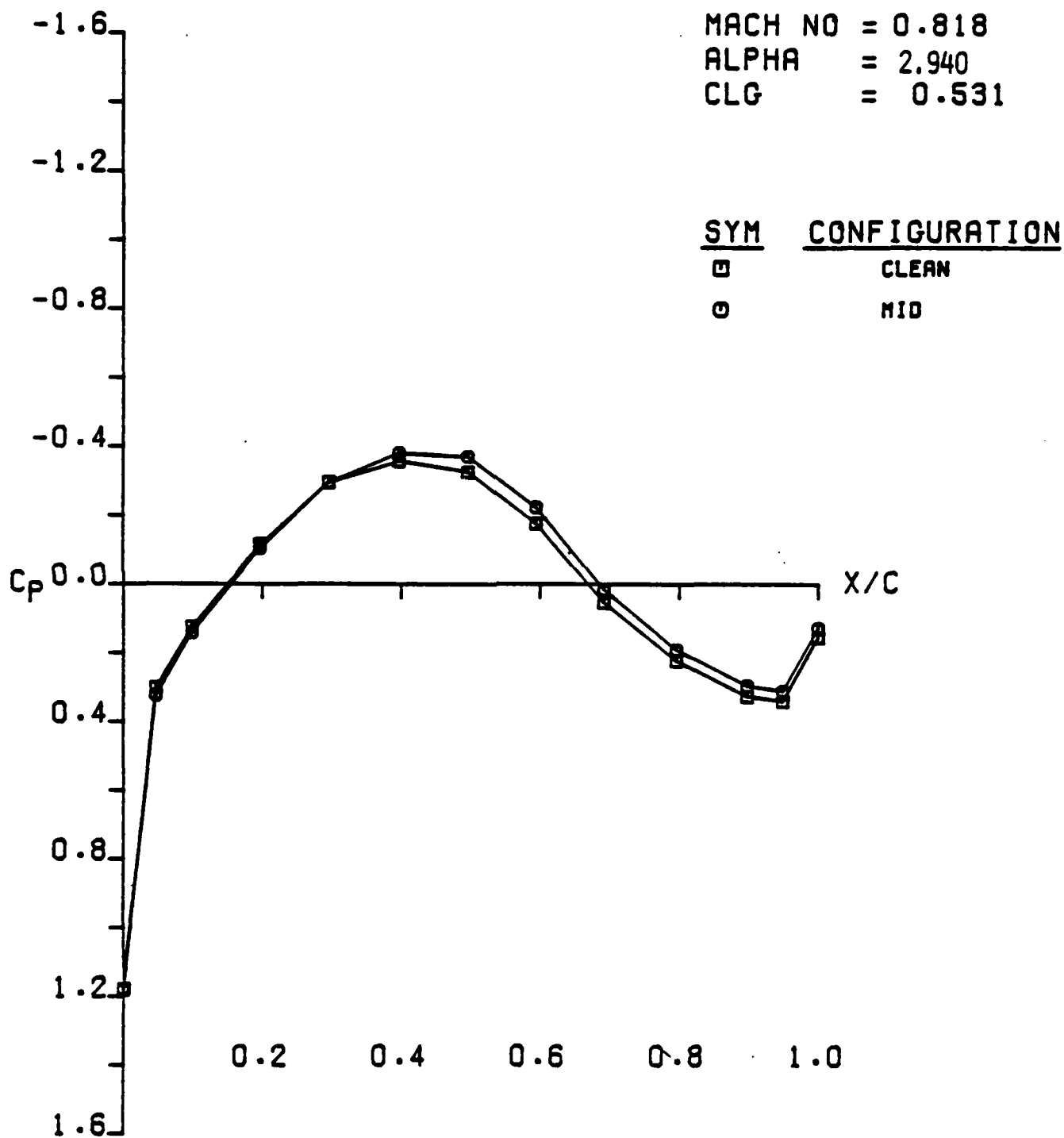
MACH NO = 0.818

ALPHA = 2.940

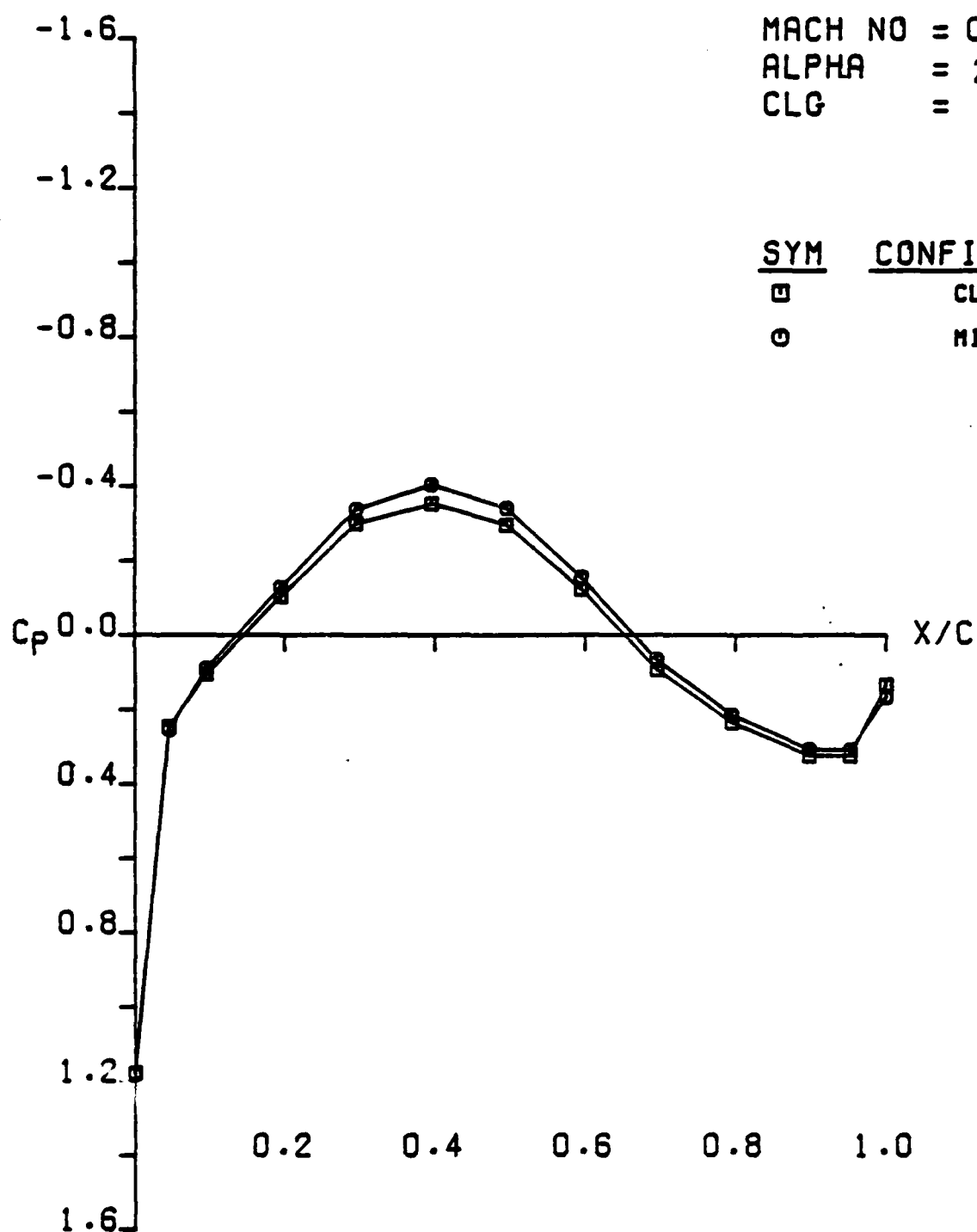
LOCKHEED CFWT SEMI-SPAN TEST, RUN 35
CLN VS MID (LWR SURF)
AFOSR SEMISPAN MODEL A



LOCKHEED CFWT SEMI-SPAN TEST, RUN 35
 CLN VS MID (LWR SURF ETA .15)
 AFOSR SEMISPAN MODEL A



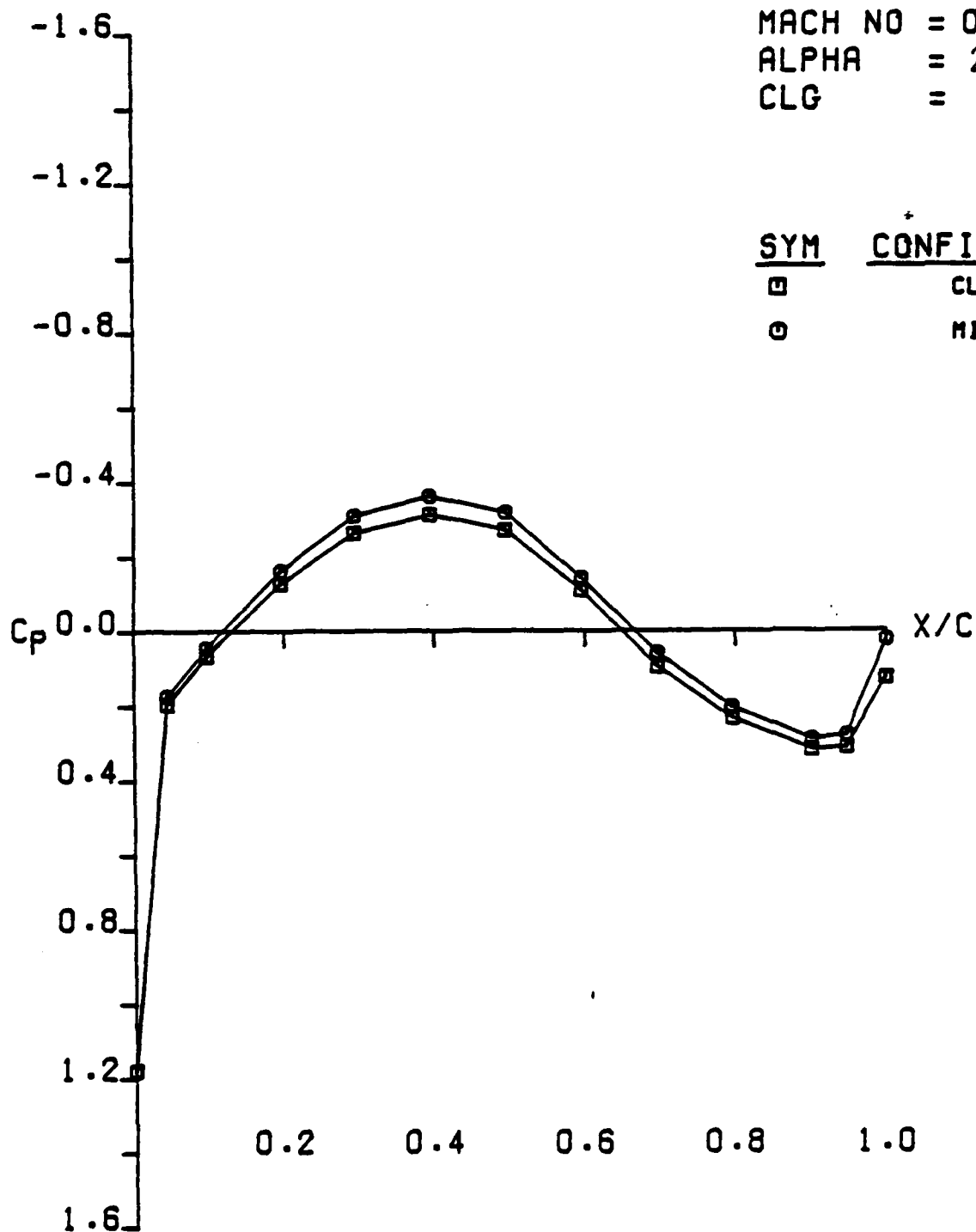
LOCKHEED CFWT SEMI-SPAN TEST, RUN 35
 CLN VS MID (LWR SURF ETA .30)
 AFOSR SEMISPAN MODEL A



MACH NO = 0.818
 ALPHA = 2.940
 CLG = 0.531

SYM	CONFIGURATION
□	CLEAN
○	MID

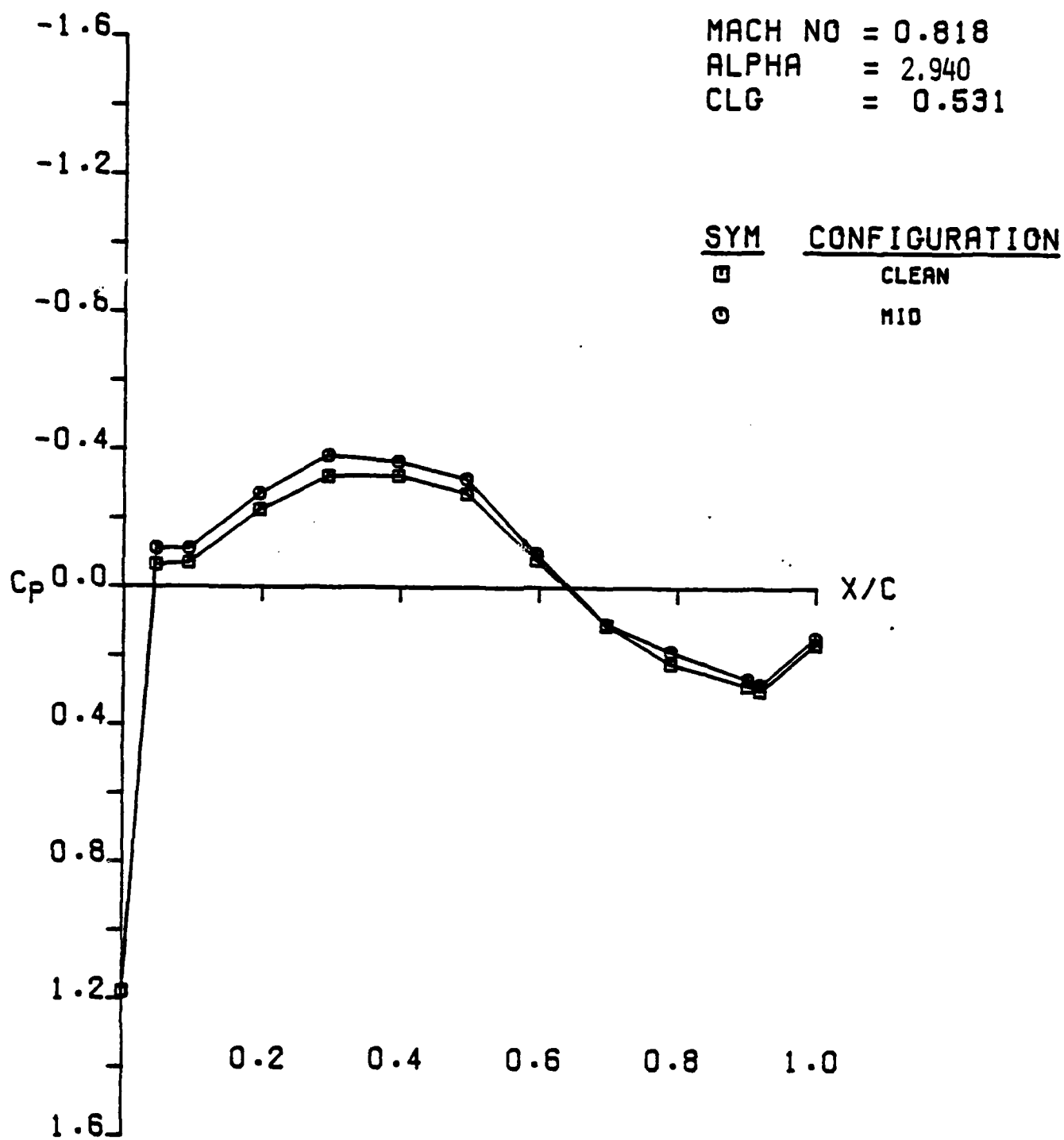
LOCKHEED CFWT SEMI-SPAN TEST, RUN 35
 CLN VS MID (LWR SURF ETA .50)
 AFOSR SEMISPAN MODEL A



MACH NO = 0.818
 ALPHA = 2.940
 CLG = 0.531

SYM	CONFIGURATION
□	CLEAN
○	MID

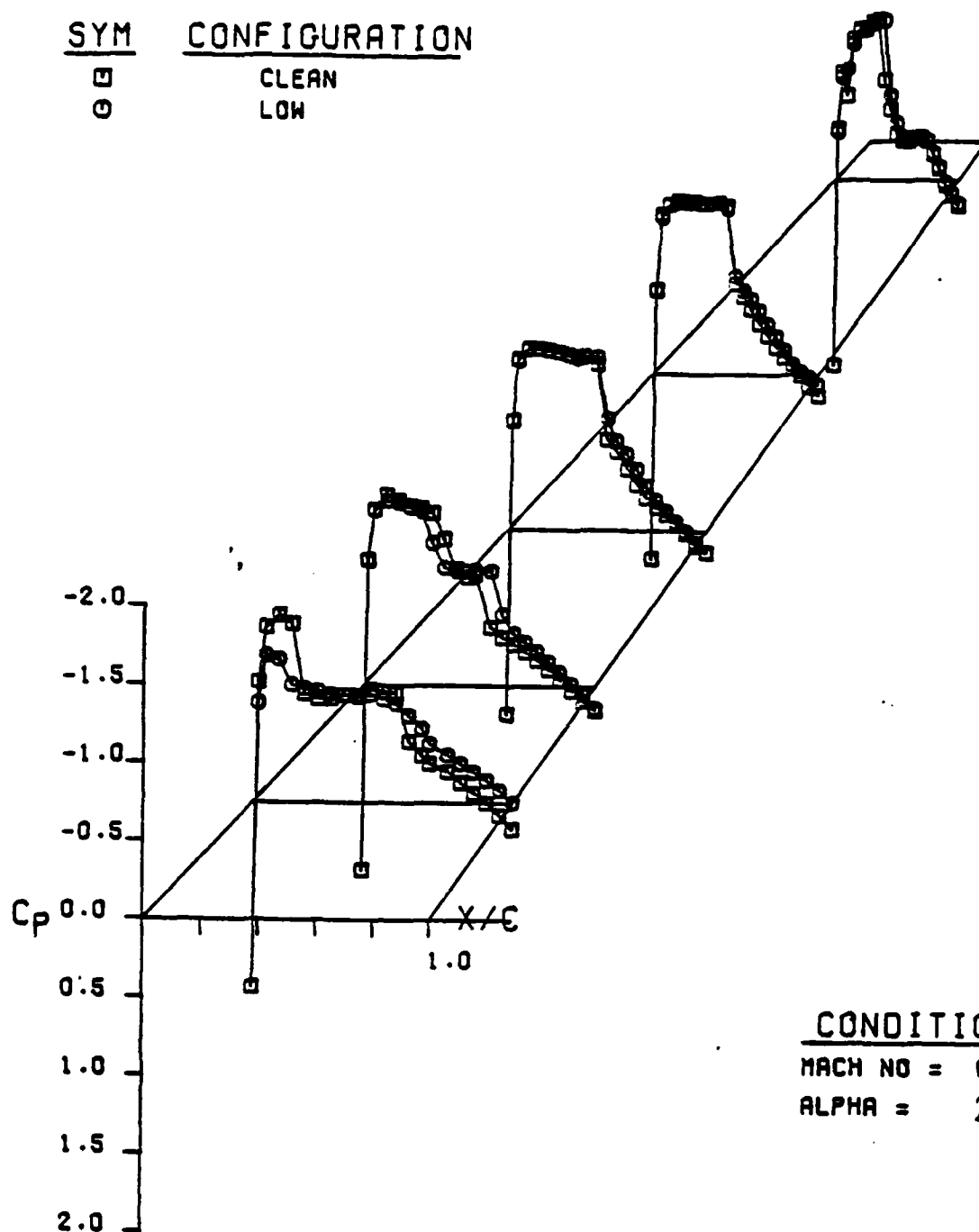
LOCKHEED CFWT SEMI-SPAN TEST, RUN 35
 CLN VS MID (LWR SURF ETA .70)
 AFOSR SEMISPAN MODEL A



LOCKHEED CFWT SEMI-SPAN TEST, RUN 35
 CLN VS MID (LWR SURF ETA .95)
 AFOSR SEMISPAN MODEL A

SYM CONFIGURATION

□ CLEAN
○ LOW

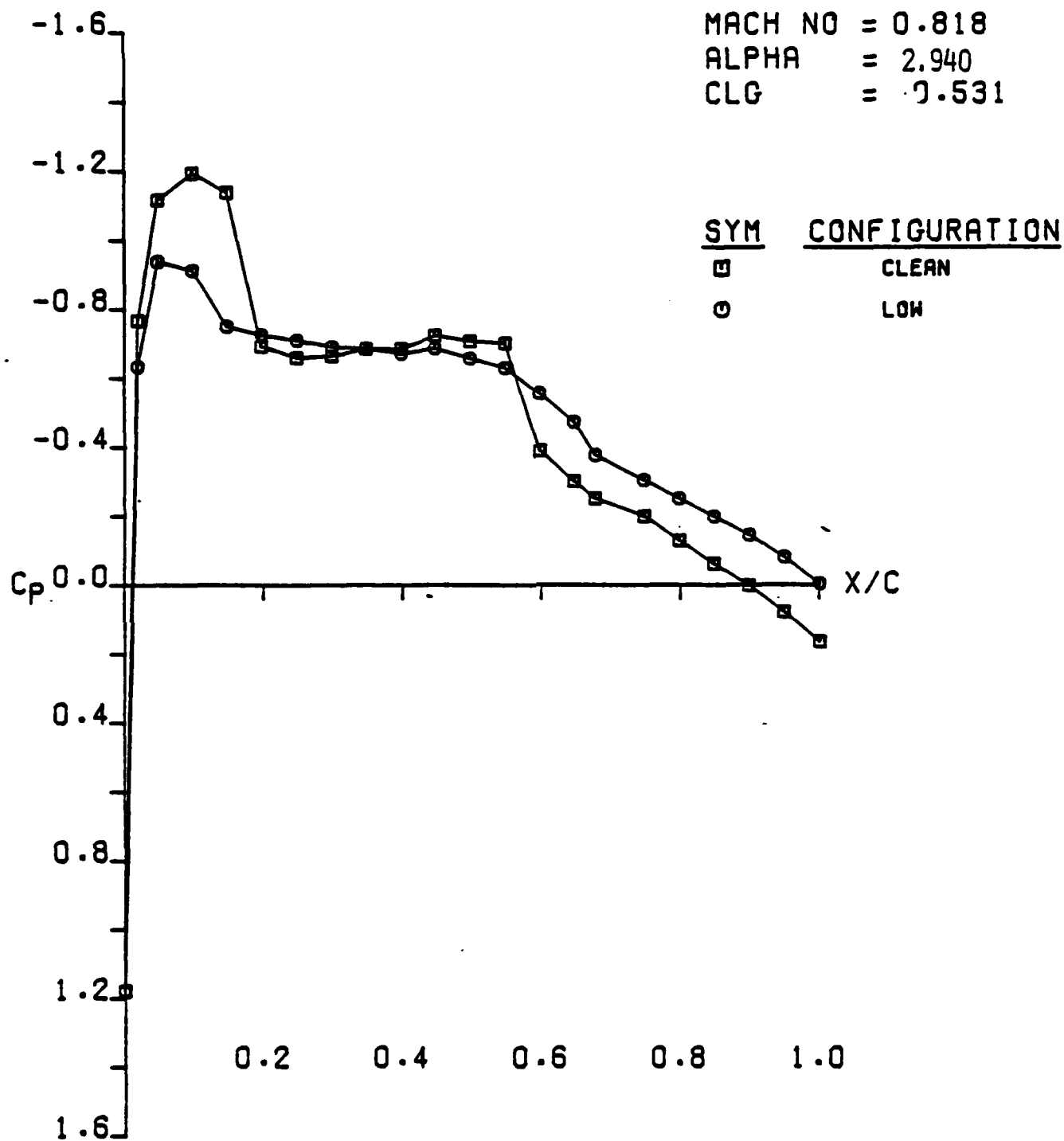


CONDITIONS

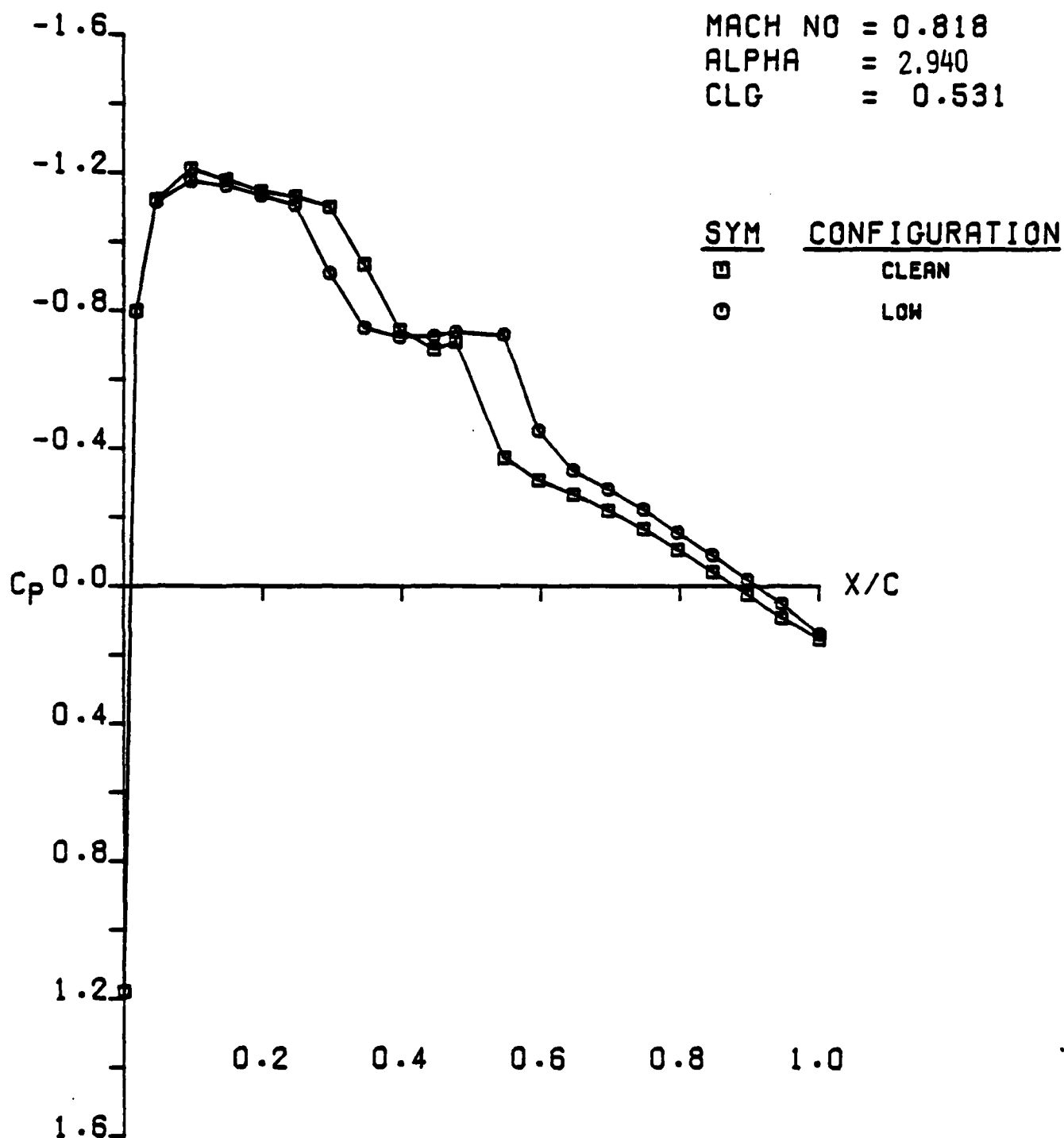
MACH NO = 0.818

ALPHA = 2.940

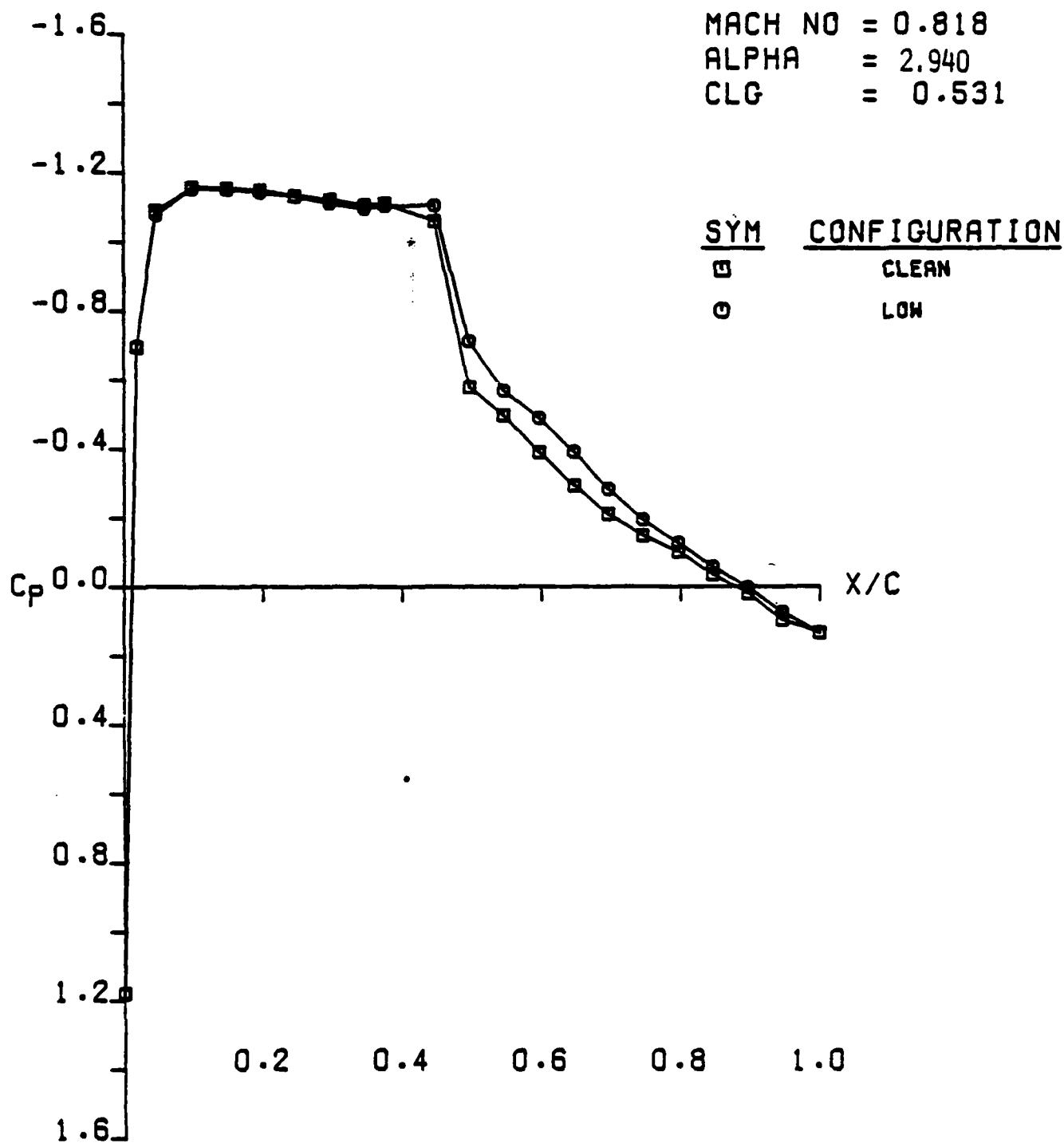
LOCKHEED CFWT SEMI-SPAN TEST, RUN 35
CLN VS LOW (UPR SURF)
AFOSR SEMISPAN MODEL A



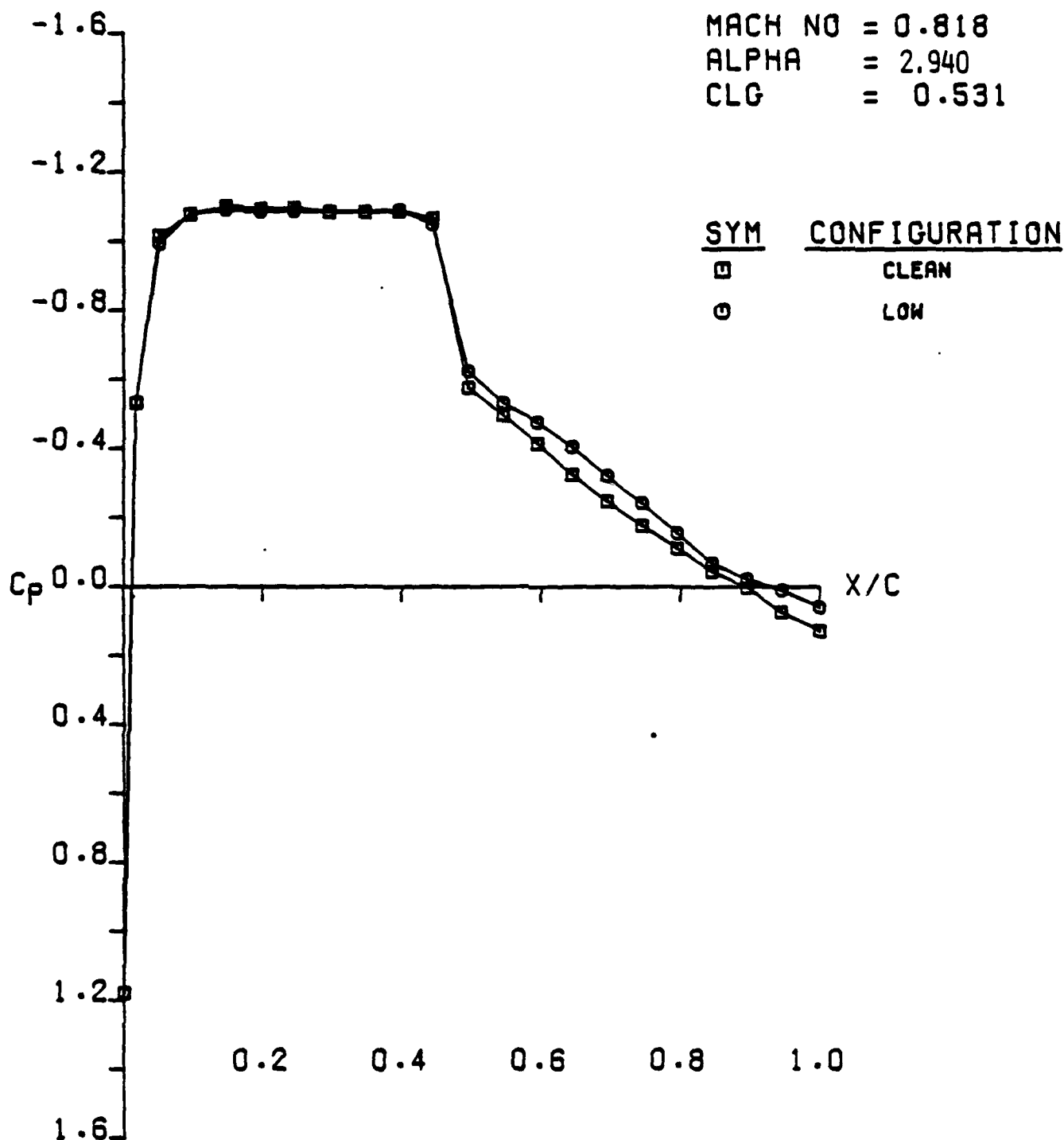
LOCKHEED CFWT SEMI-SPAN TEST, RUN 35
 CLN VS LOW (UPR SURF ETA .15)
 AFOSR SEMISPAN MODEL A



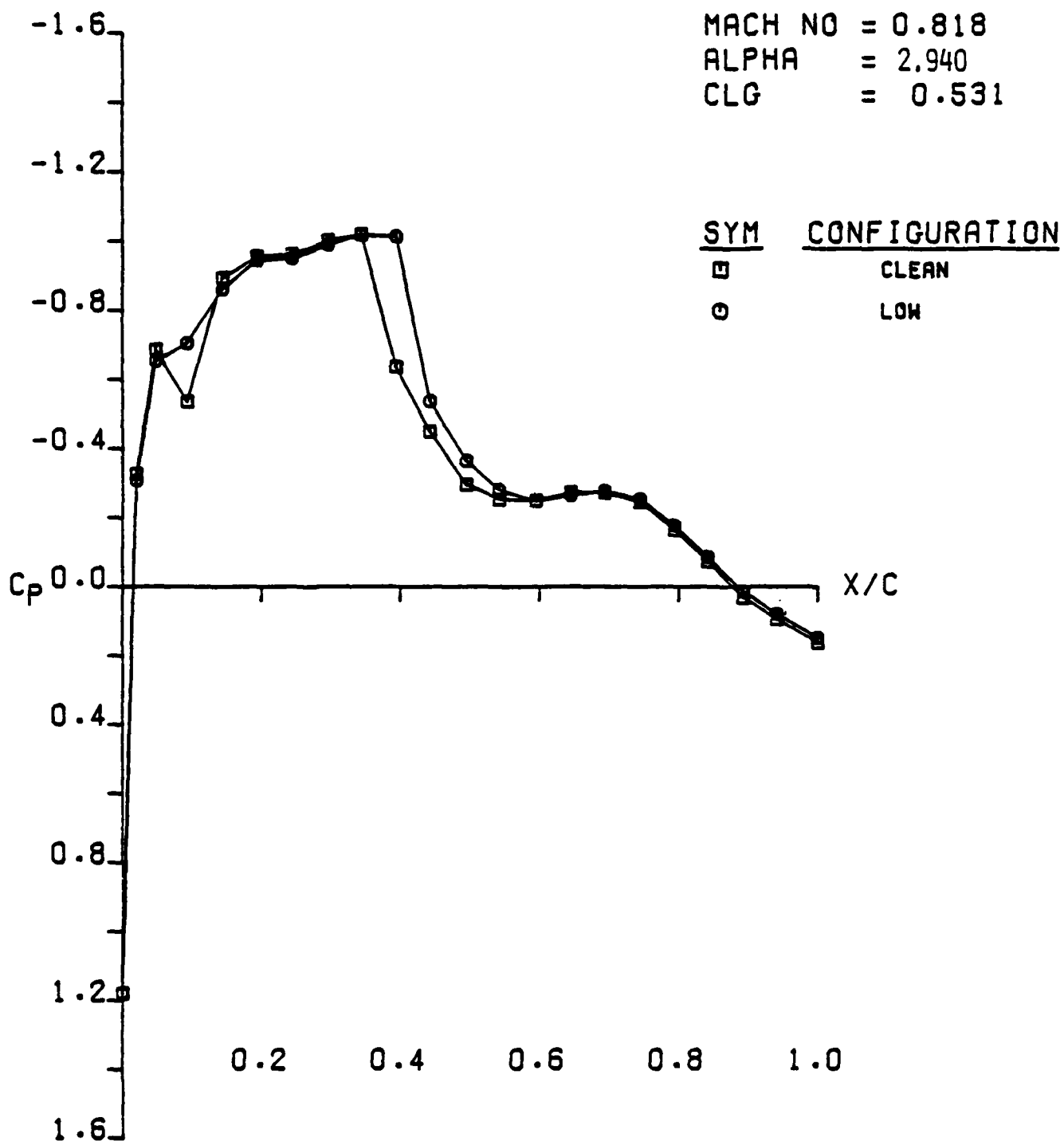
LOCKHEED CFWT SEMI-SPAN TEST, RUN 35
 CLN VS LOW (UPR SURF ETA .30)
 AFOSR SEMISPAN MODEL A



LOCKHEED CFWT SEMI-SPAN TEST, RUN 35
 CLN VS LOW (UPR SURF ETA .50)
 AFOSR SEMISPAN MODEL A

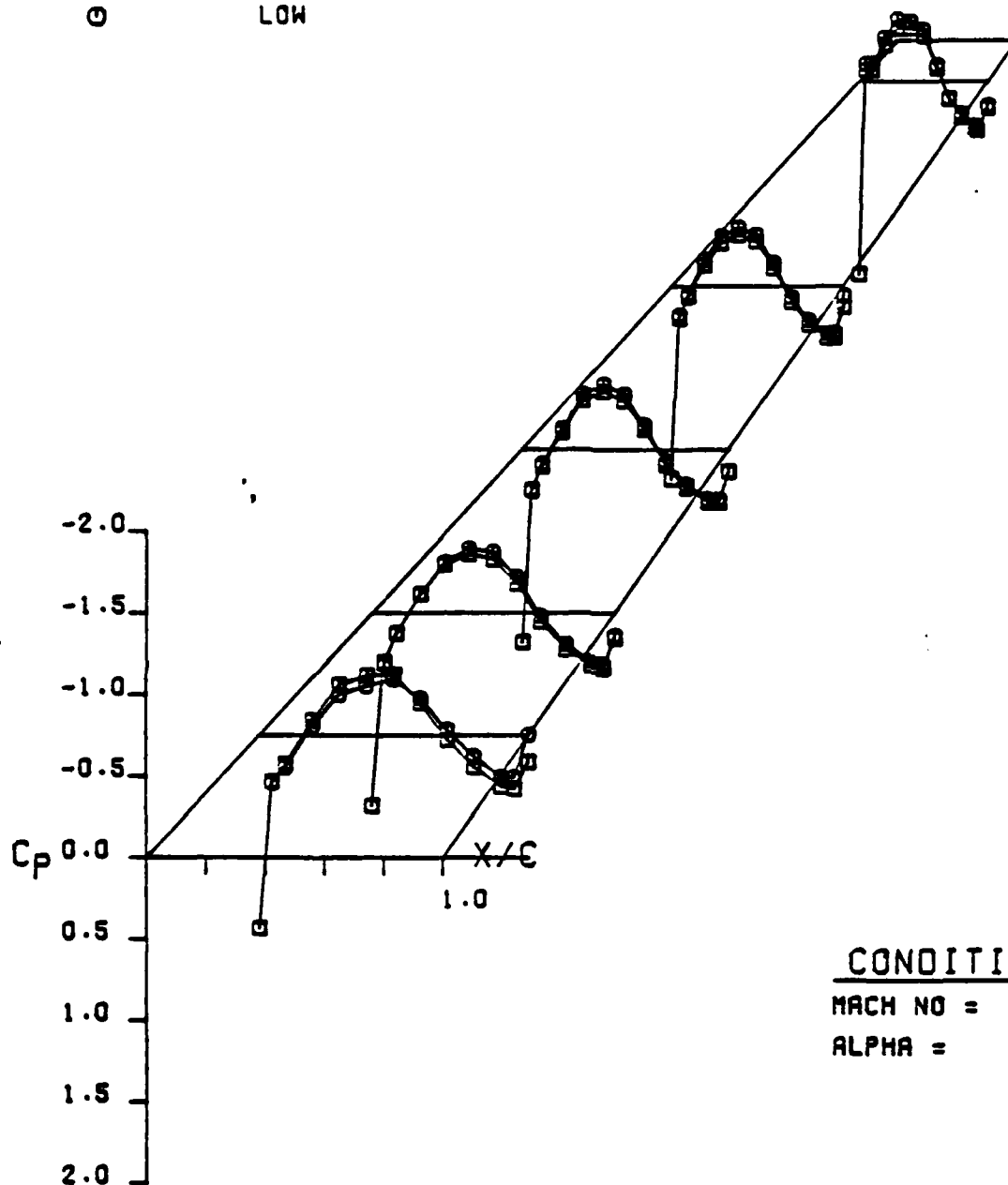


LOCKHEED CFWT SEMI-SPAN TEST, RUN 35
 CLN VS LOW (UPR SURF ETA .70)
 AFOSR SEMISPAN MODEL A



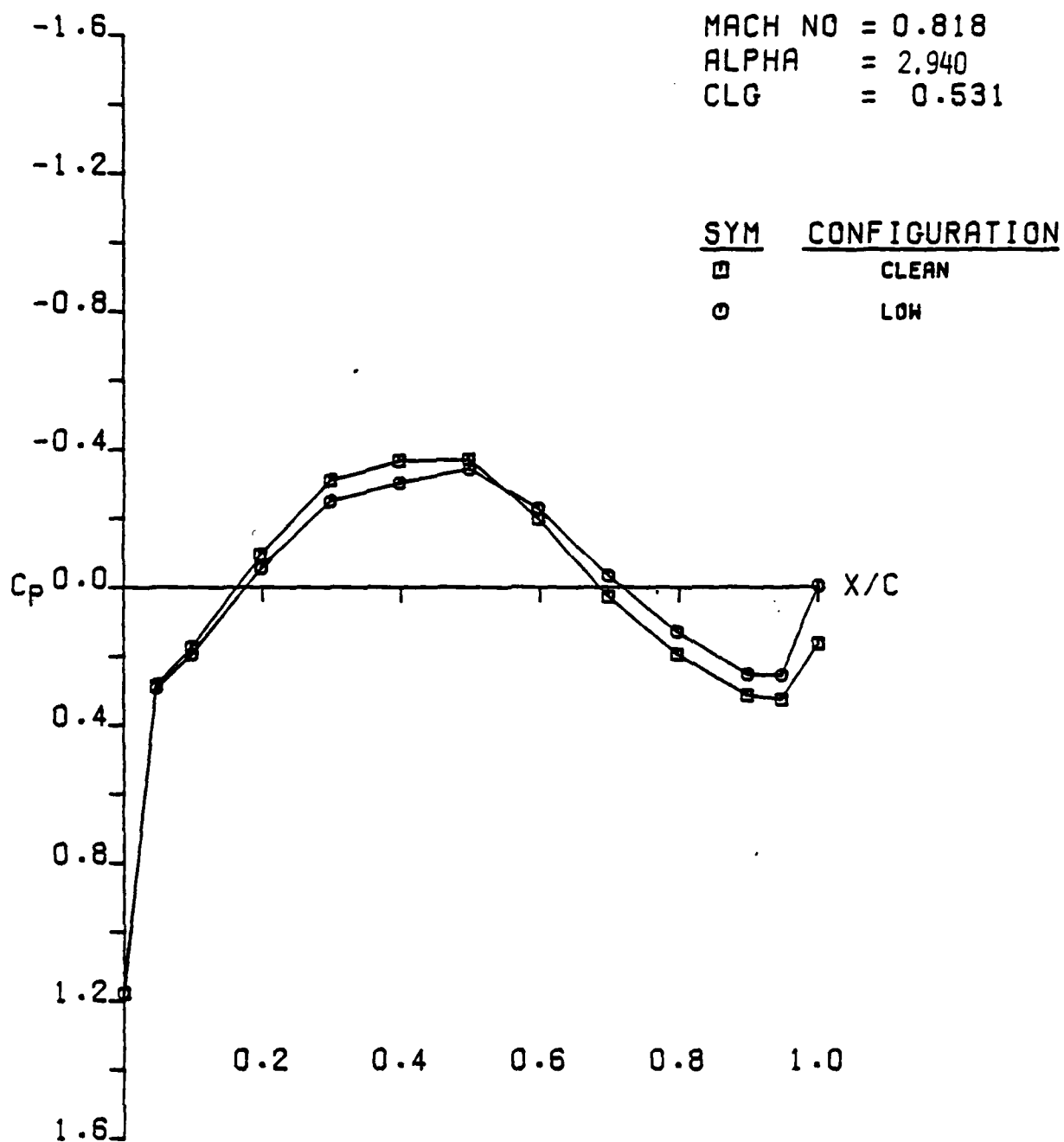
LOCKHEED CFWT SEMI-SPAN TEST, RUN 35
 CLN VS LOW (UPR SURF ETA .95)
 AFOSR SEMISPAN MODEL A

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	LOW

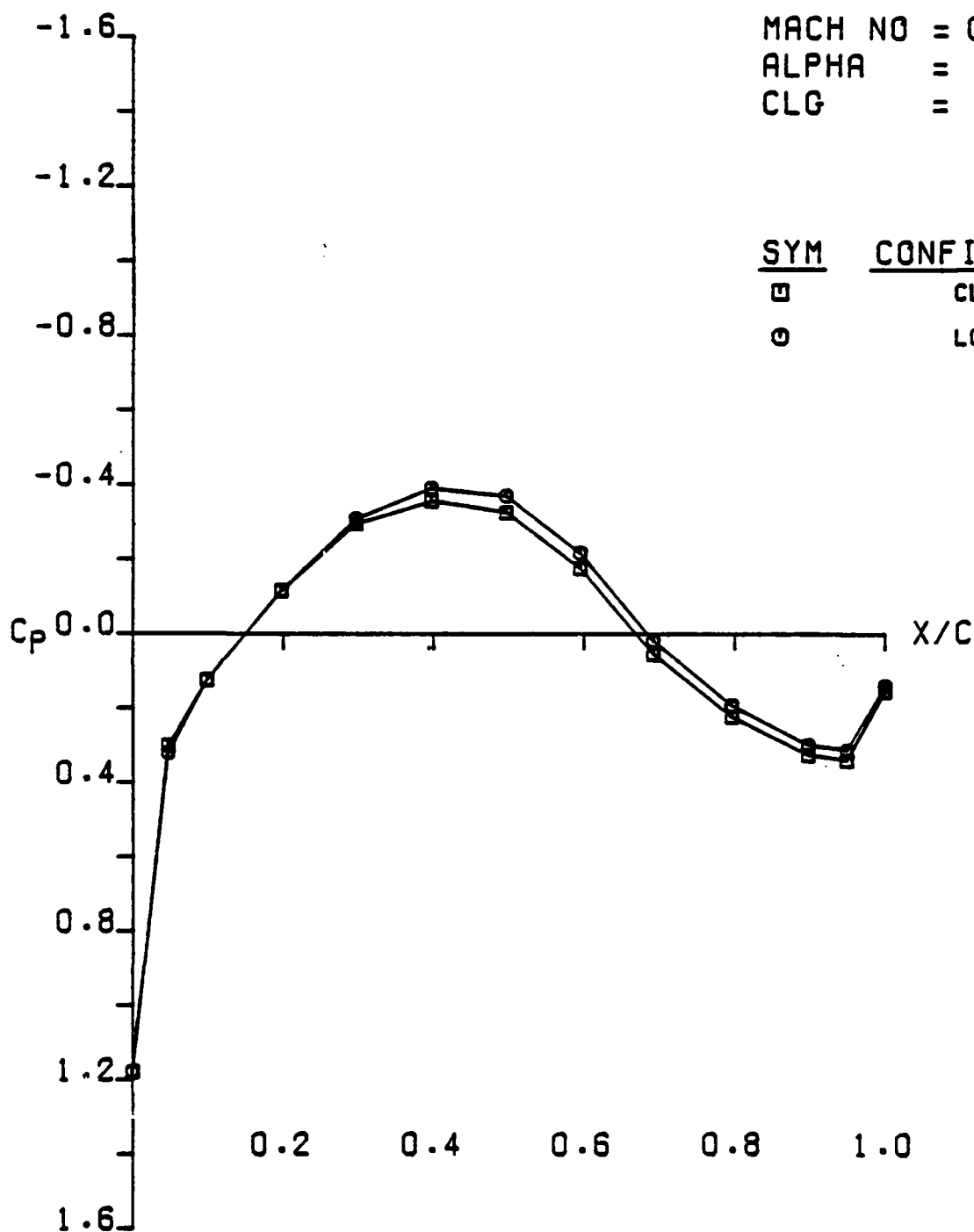


CONDITIONS
MACH NO = 0.818
ALPHA = 2.940

LOCKHEED CFWT SEMI-SPAN TEST, RUN 35
CLN VS LOW (LWR SURF)
AFOSR SEMISPAN MODEL A



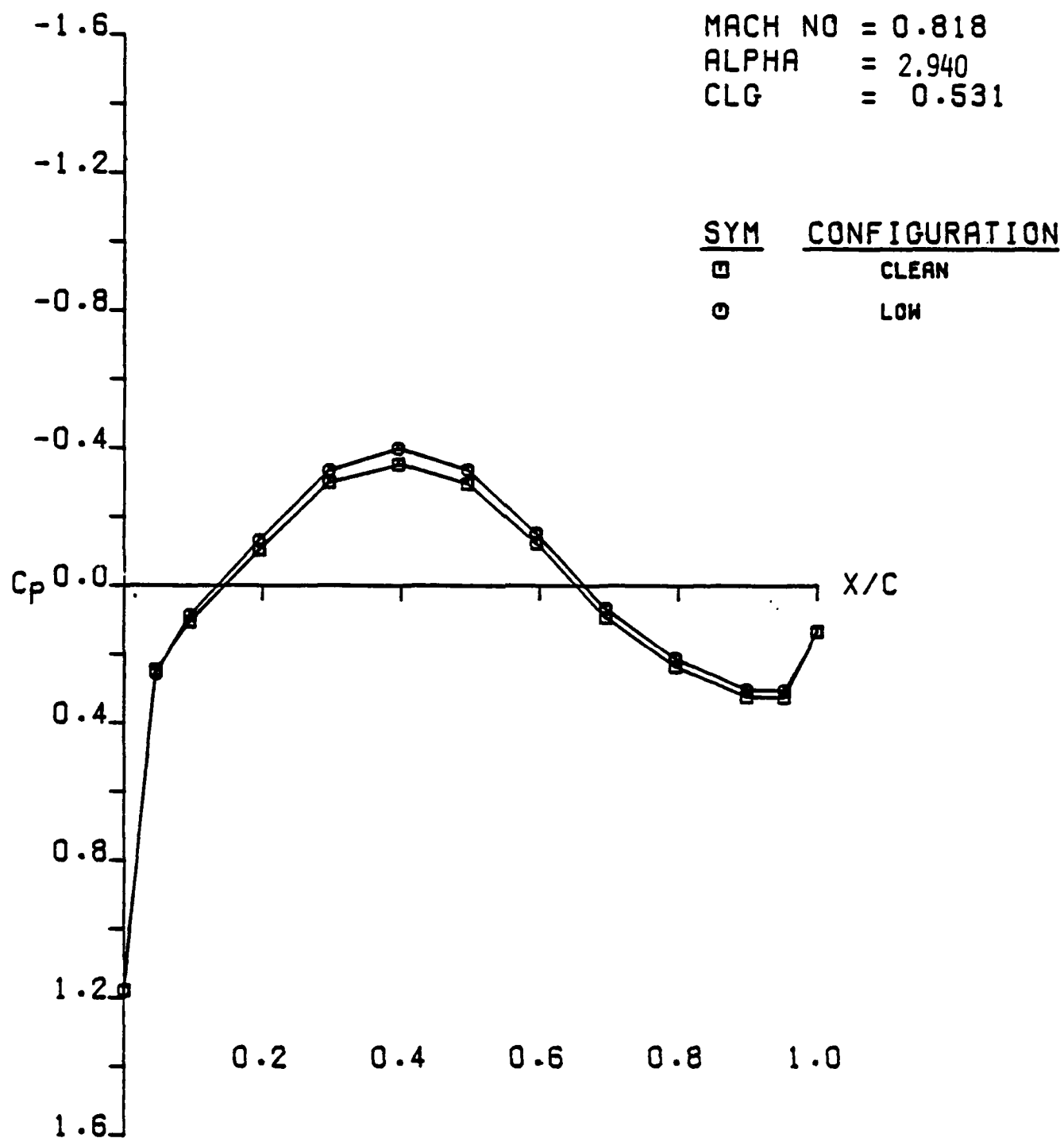
LOCKHEED CFWT SEMI-SPAN TEST, RUN 35
CLN VS LOW (LWR SURF ETA .15)
AFOSR SEMISPAN MODEL A



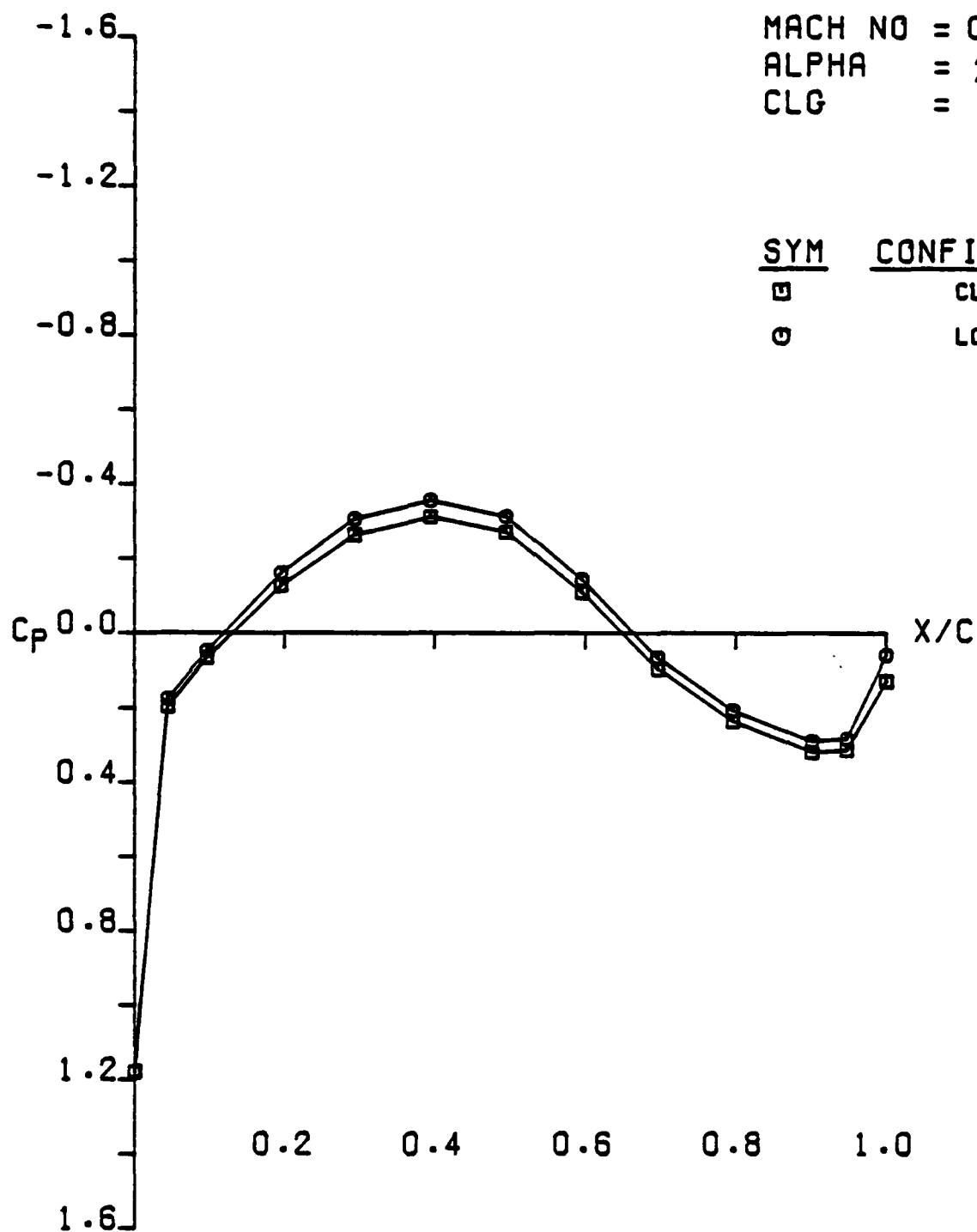
MACH NO = 0.818
 ALPHA = 2.940
 CLG = 0.531

SYM	CONFIGURATION
□	CLEAN
○	LOW

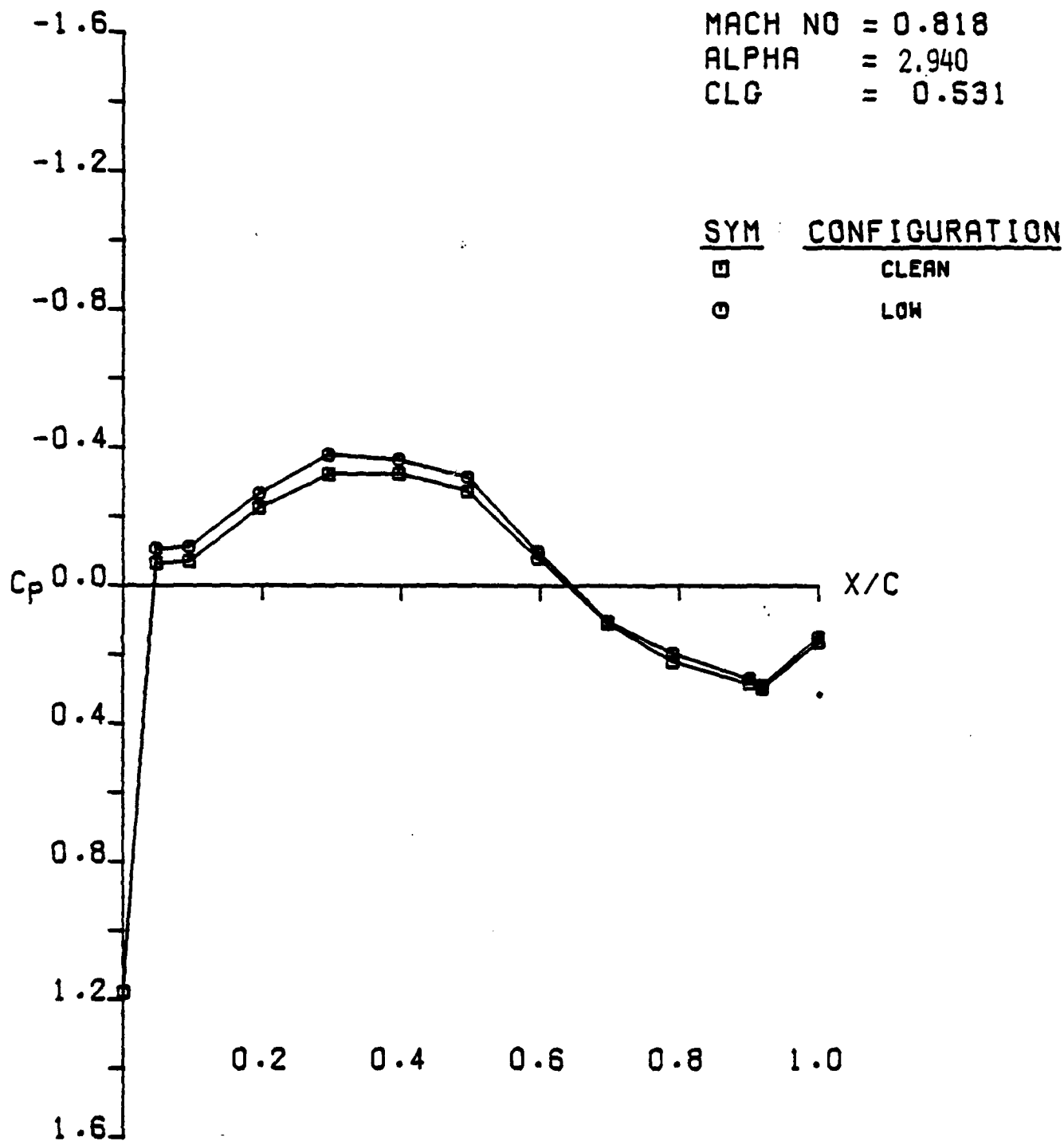
LOCKHEED CFWT SEMI-SPAN TEST, RUN 35
 CLN VS LOW (LWR SURF ETA .30)
 AFOSR SEMISPAN MODEL A



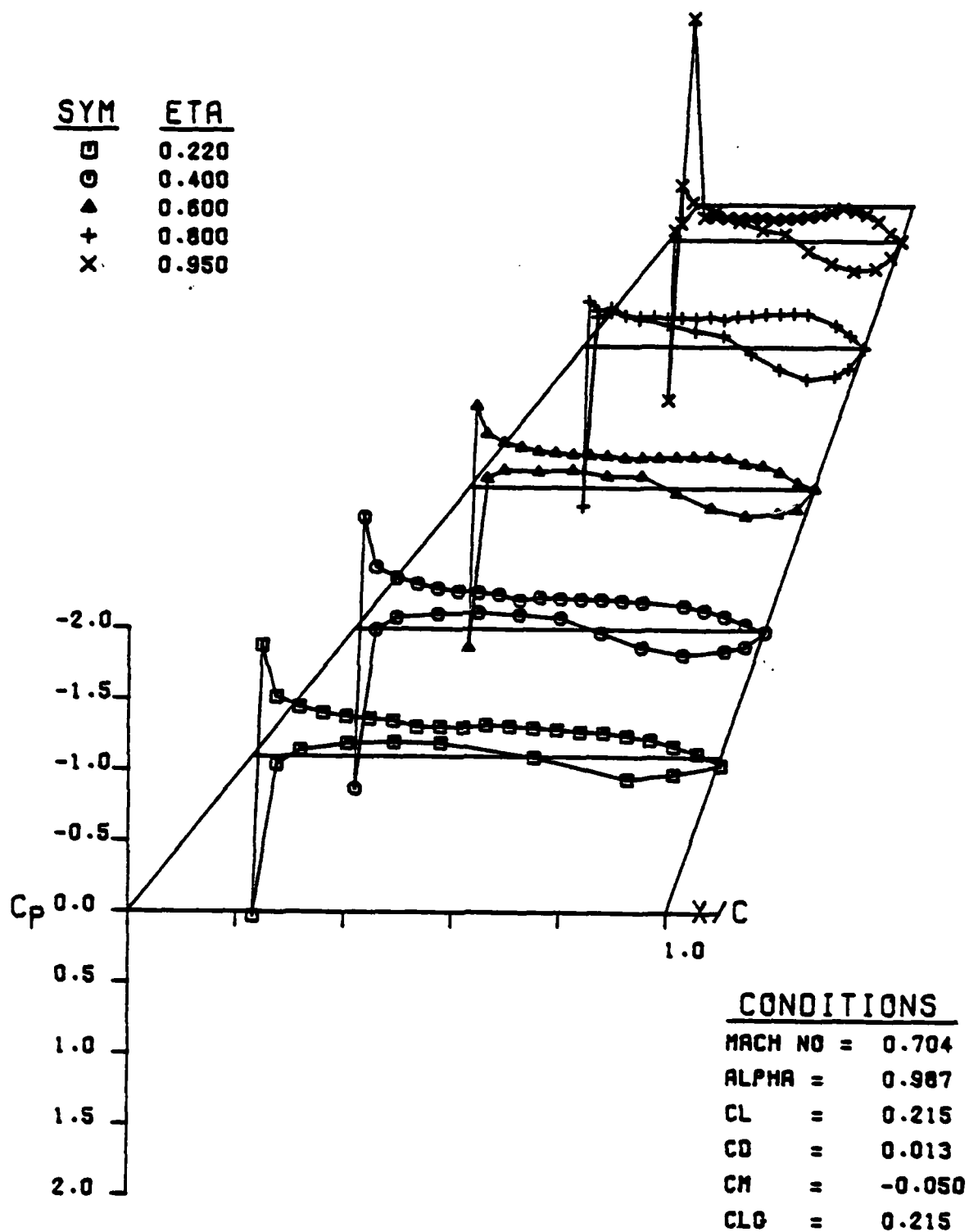
LOCKHEED CFWT SEMI-SPAN TEST, RUN 35
 CLN VS LOW (LWR SURF ETA .50)
 AFOSR SEMISPAN MODEL A



LOCKHEED CFWT SEMI-SPAN TEST, RUN 35
 CLN VS LOW (LWR SURF ETA .70)
 AFOSR SEMISPAN MODEL A

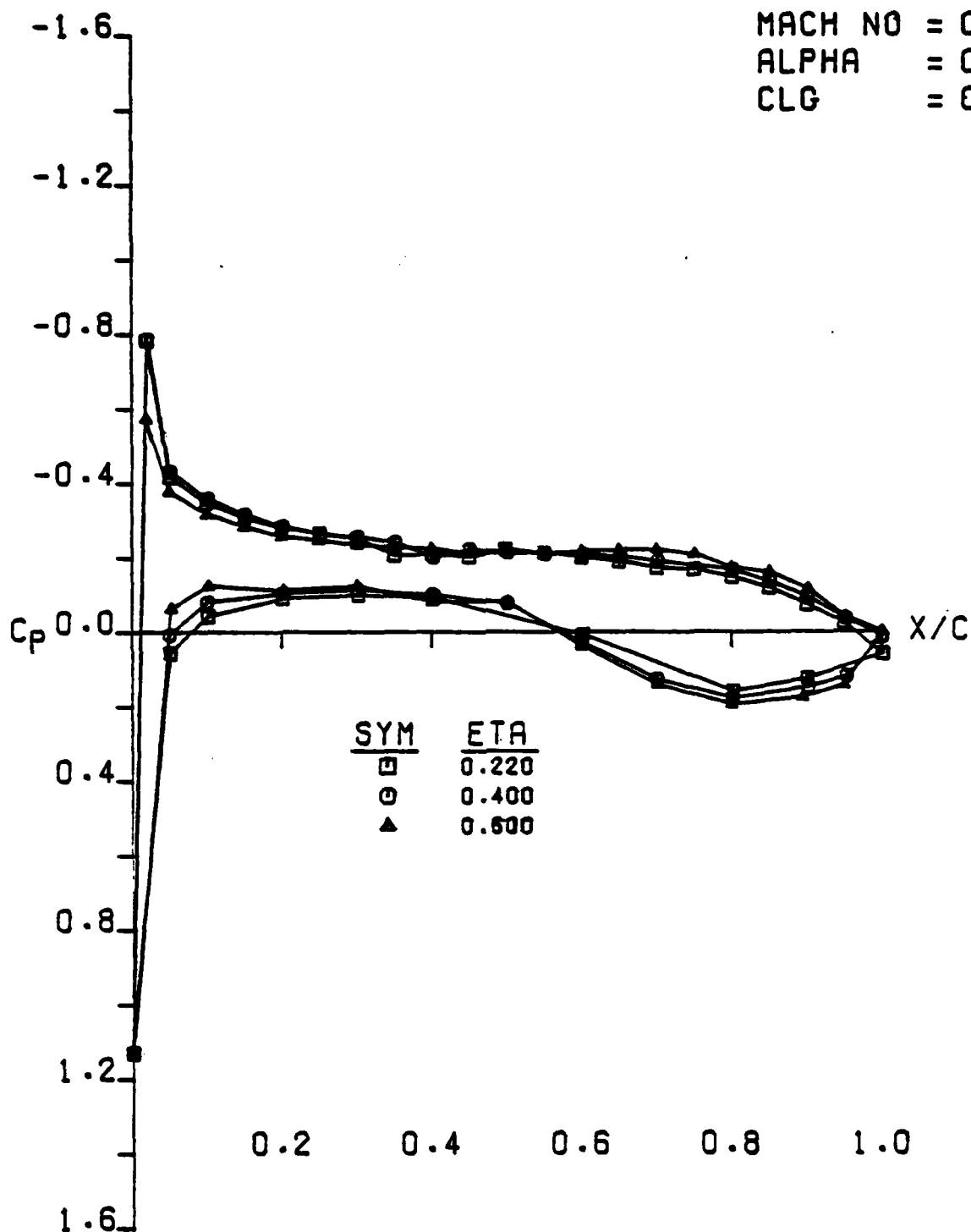


LOCKHEED CFWT SEMI-SPAN TEST, RUN 35
 CLN VS LOW (LWR SURF ETA .95)
 AFOSR SEMISPAN MODEL A

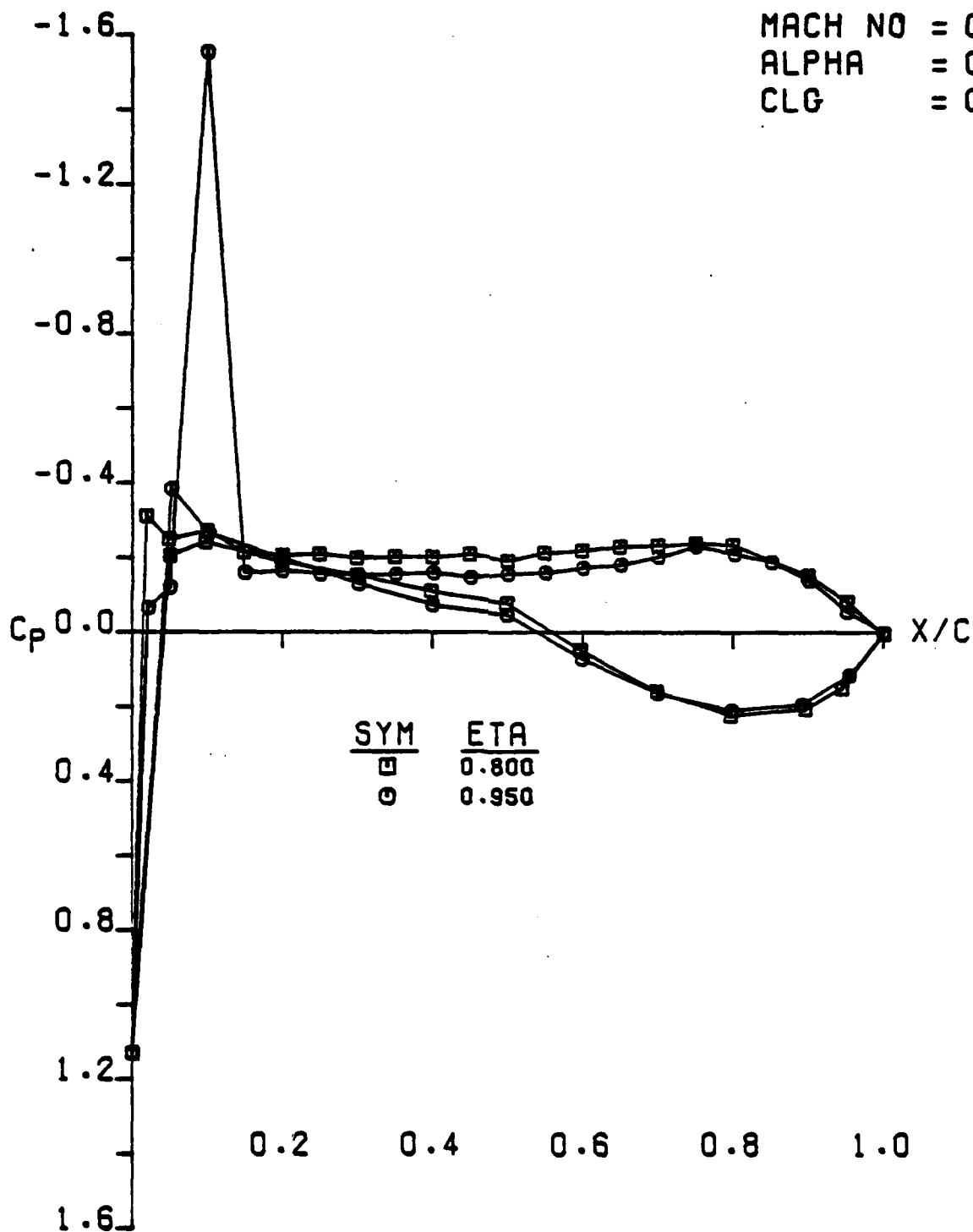


LOCKHEED CFWT SEMI-SPAN TEST, RUN 232
 TITLE

AFOSR SEMISPAN MODEL B

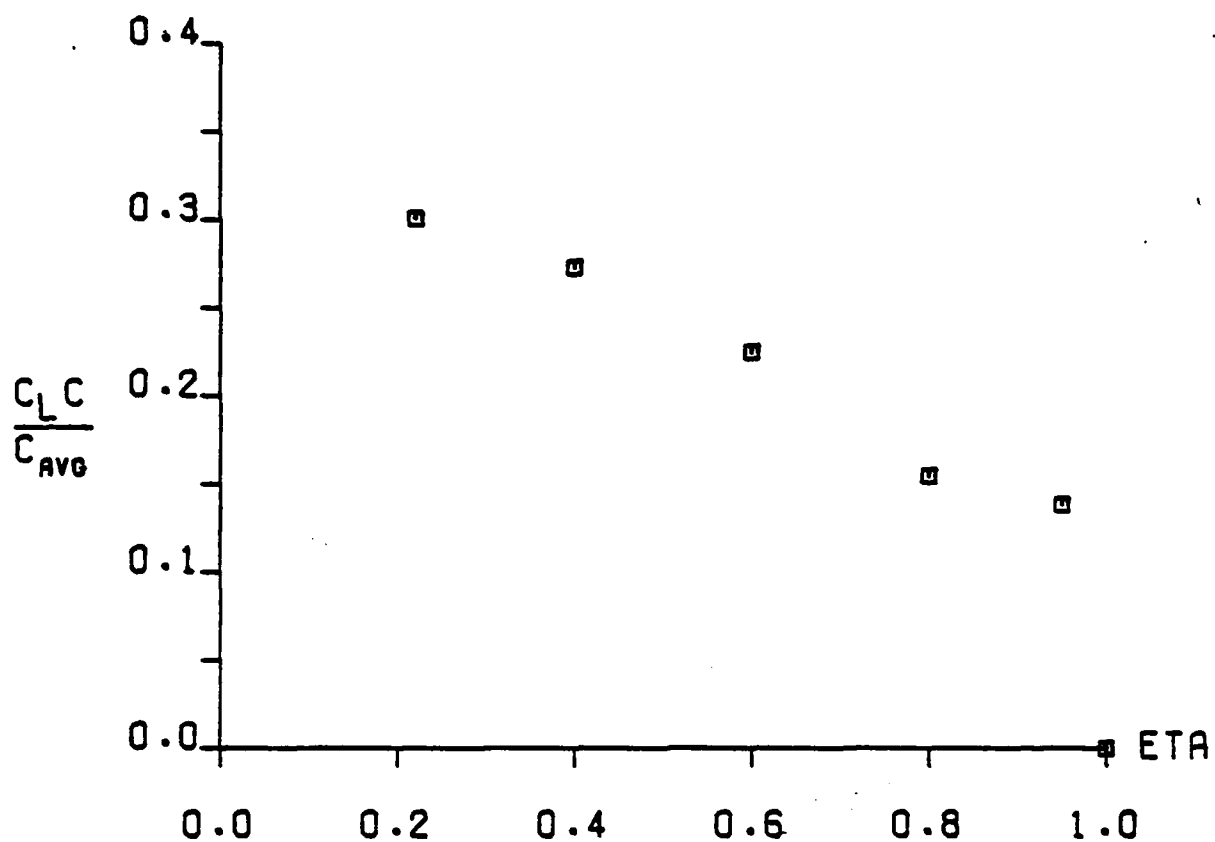


LOCKHEED CFWT SEMI-SPAN TEST, RUN 232
TITLE
AFOSR SEMISPAN MODEL B



LOCKHEED CFWT SEMI-SPAN TEST, RUN 232
TITLE
AFOSR SEMISPAN MODEL B

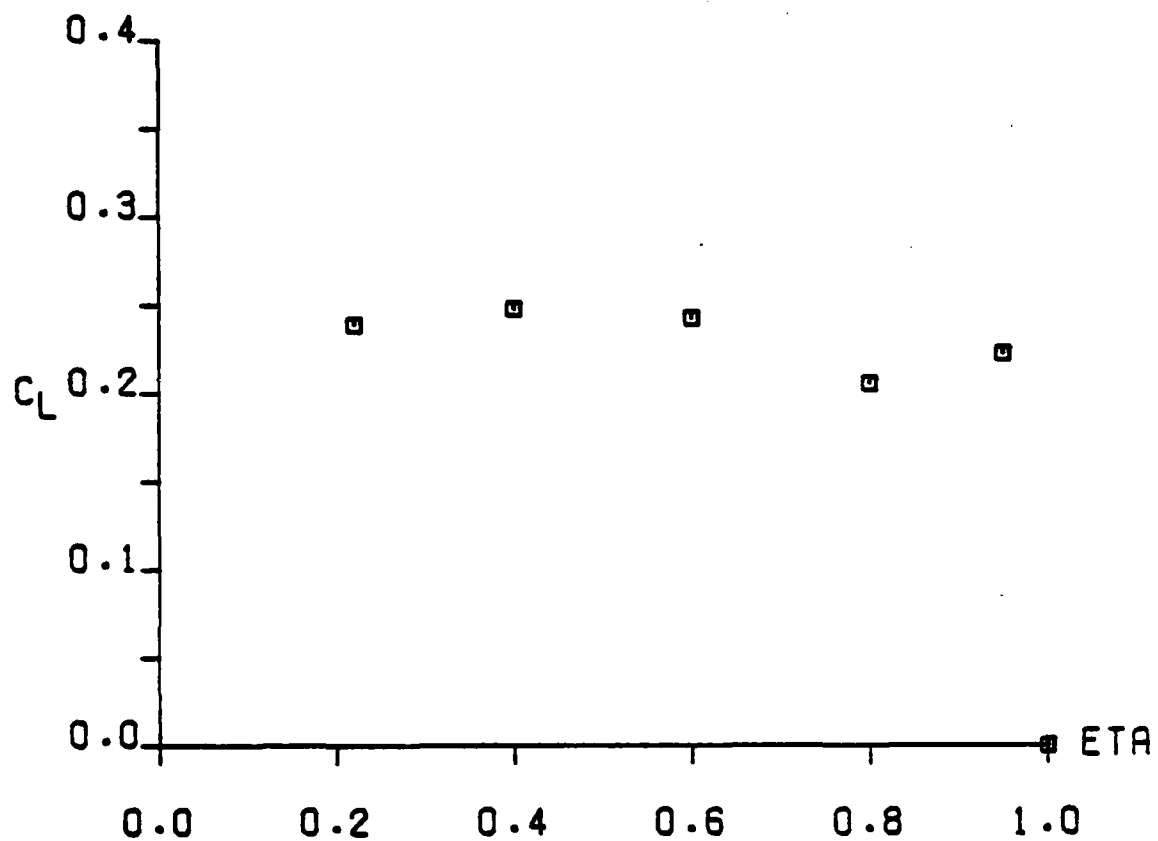
MACH NO = 0.704
ALPHA = 0.987
CLG = 0.215



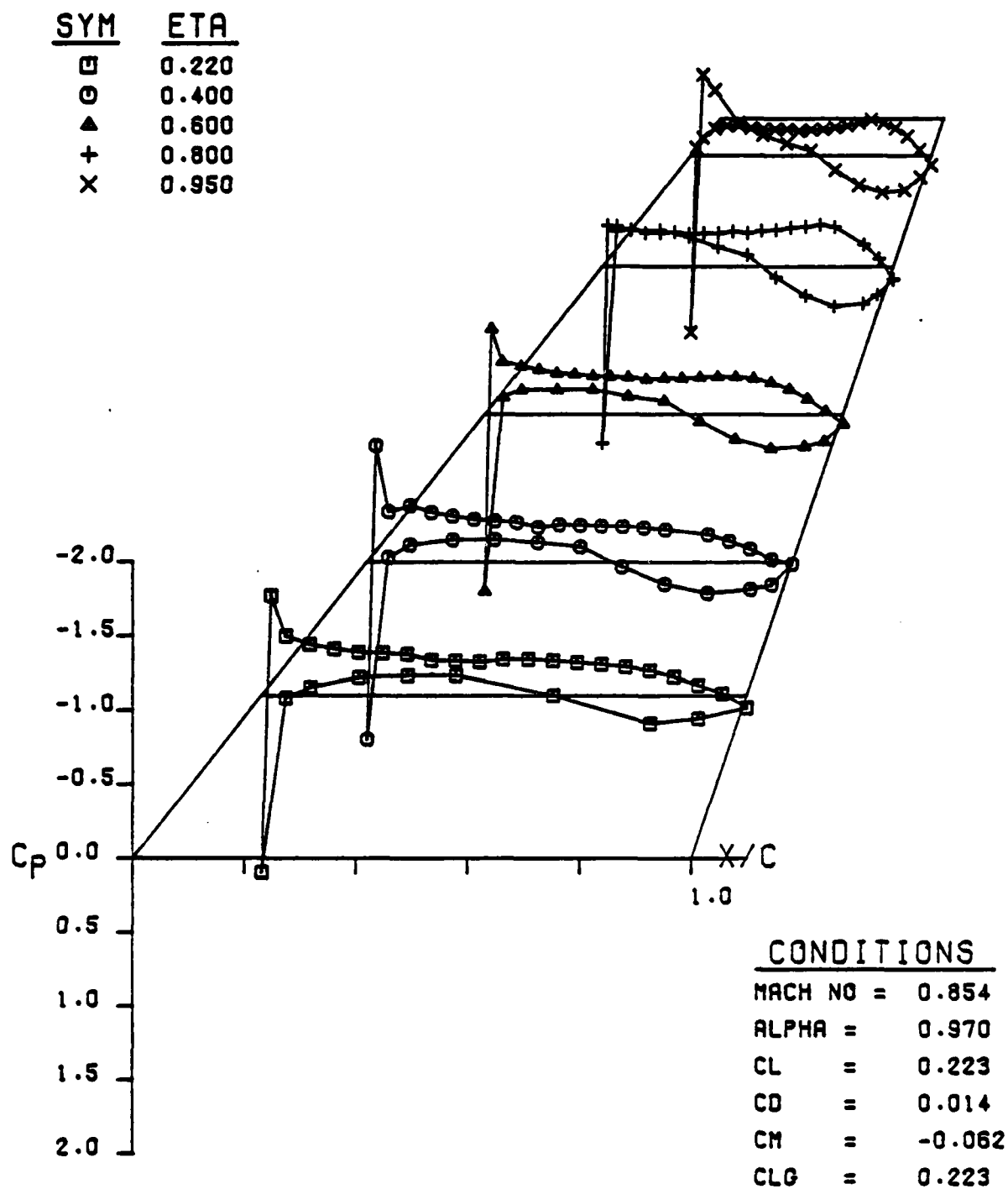
LOCKHEED CFWT SEMI-SPAN TEST, RUN 232
TITLE

AFOSR SEMISPAN MODEL B
253

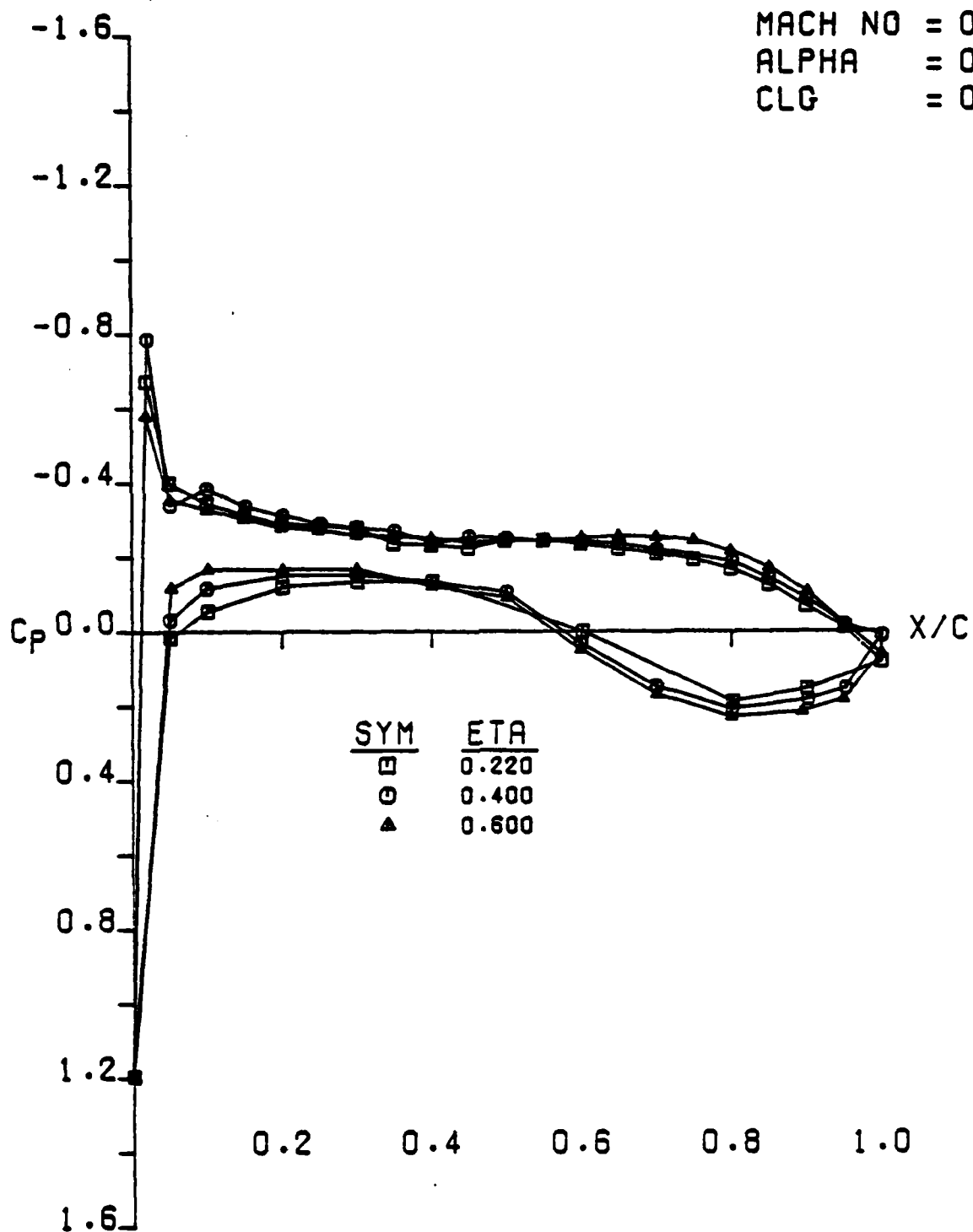
MACH NO = 0.704
ALPHA = 0.987
CLG = 0.215



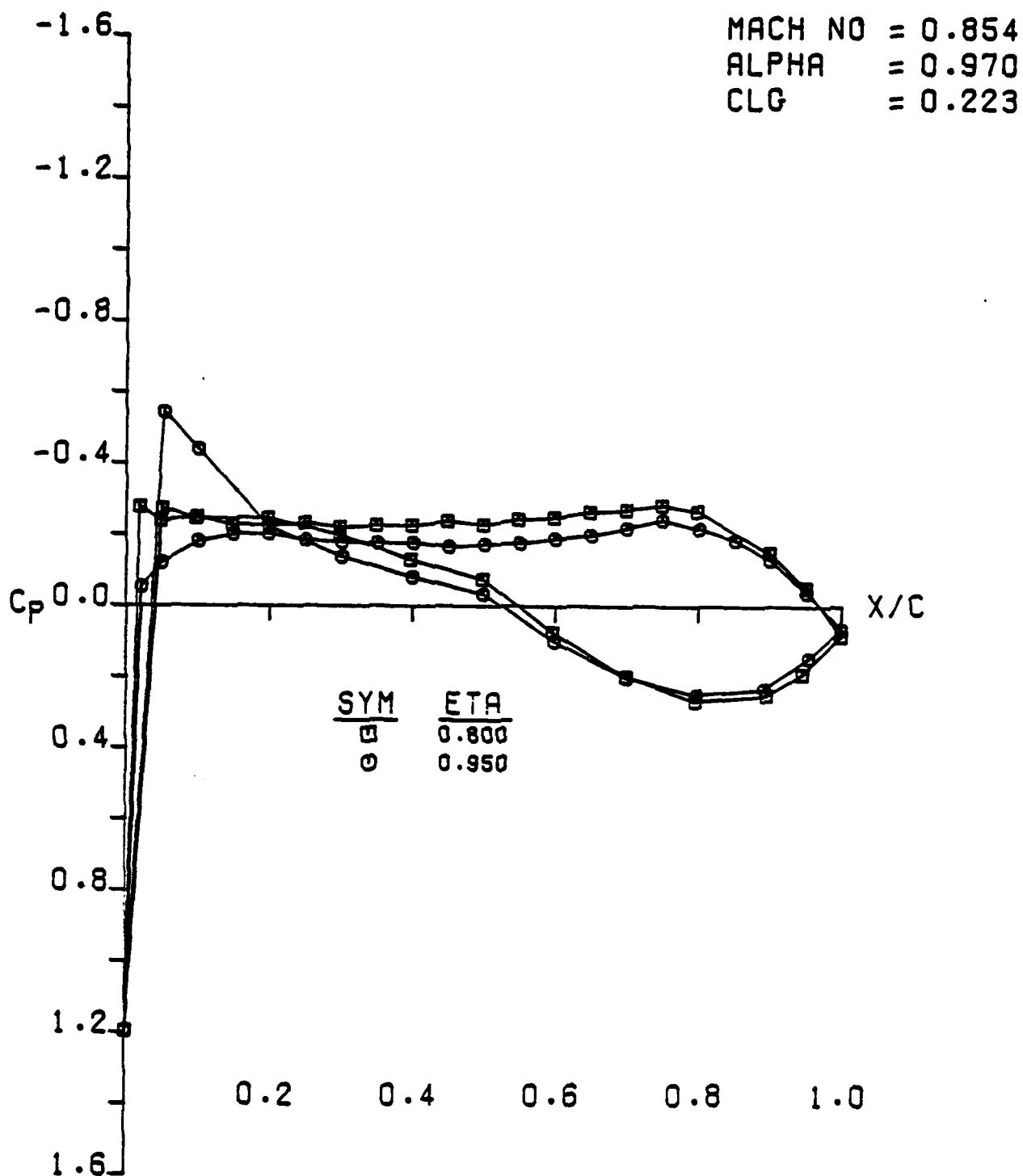
LOCKHEED CFWT SEMI-SPAN TEST, RUN 232
TITLE
AFOSR SEMISPAN MODEL B



LOCKHEED CFWT SEMI-SPAN TEST, RUN 13
 TITLE
 AFOSR SEMISPAN MODEL B

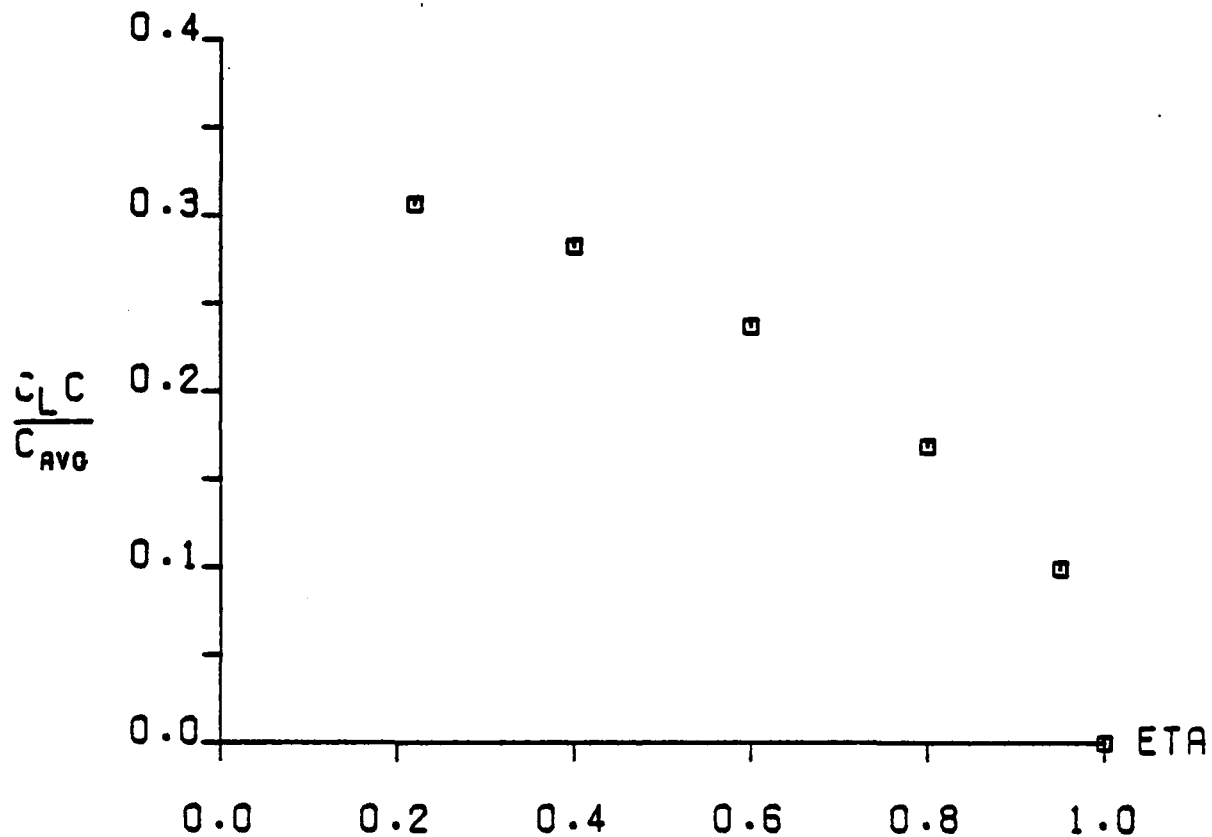


LOCKHEED CFWT SEMI-SPAN TEST, RUN 13
TITLE
AFOSR SEMISPAN MODEL B



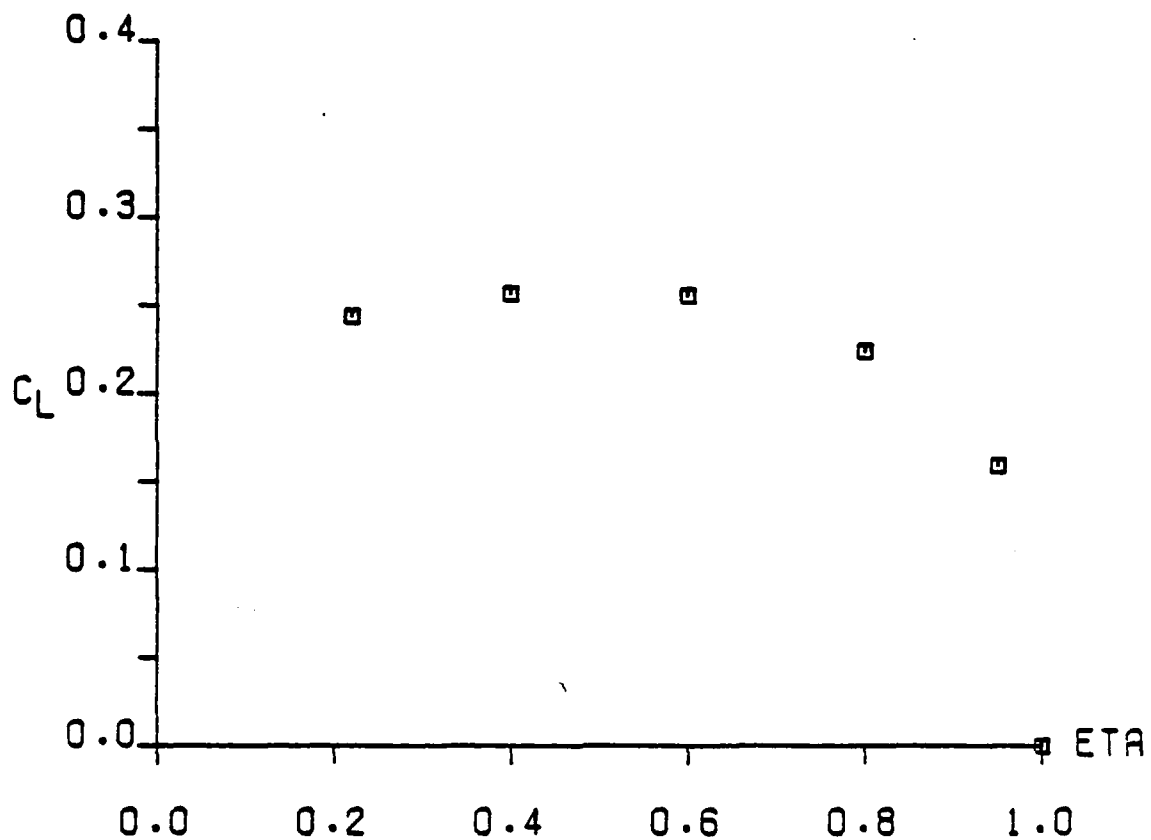
LOCKHEED CFWT SEMI-SPAN TEST, RUN 13
TITLE
AFOSR SEMISPAN MODEL B

MACH NO = 0.854
ALPHA = 0.970
CLG = 0.223



LOCKHEED CFWT SEMI-SPAN TEST, RUN 13
TITLE
AFOSR SEMISPAN MODEL B

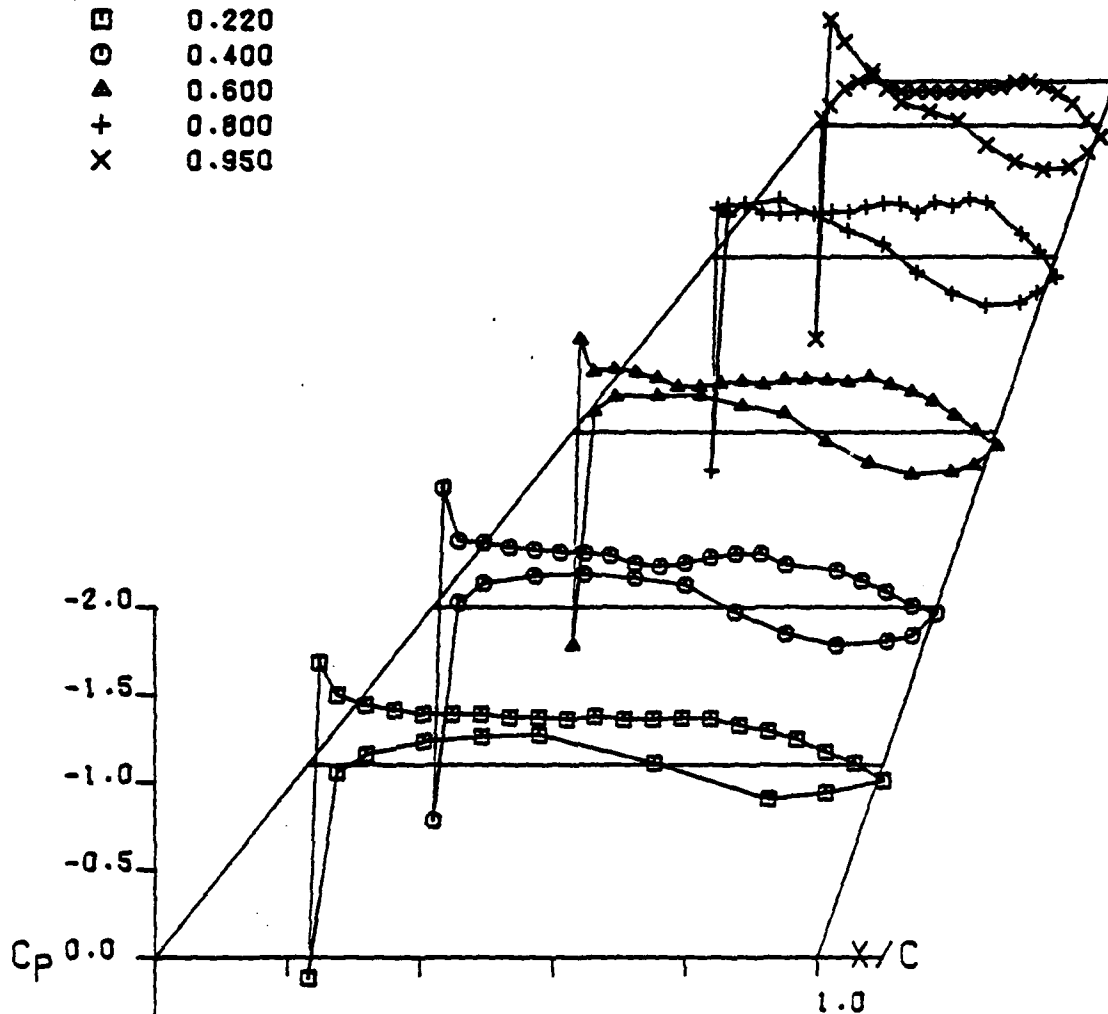
MACH NO = 0.854
ALPHA = 0.970
CLG = 0.223



LOCKHEED CFWT SEMI-SPAN TEST, RUN 13
TITLE
AFOSR SEMISPAN MODEL B

SYM	ETA
-----	-----

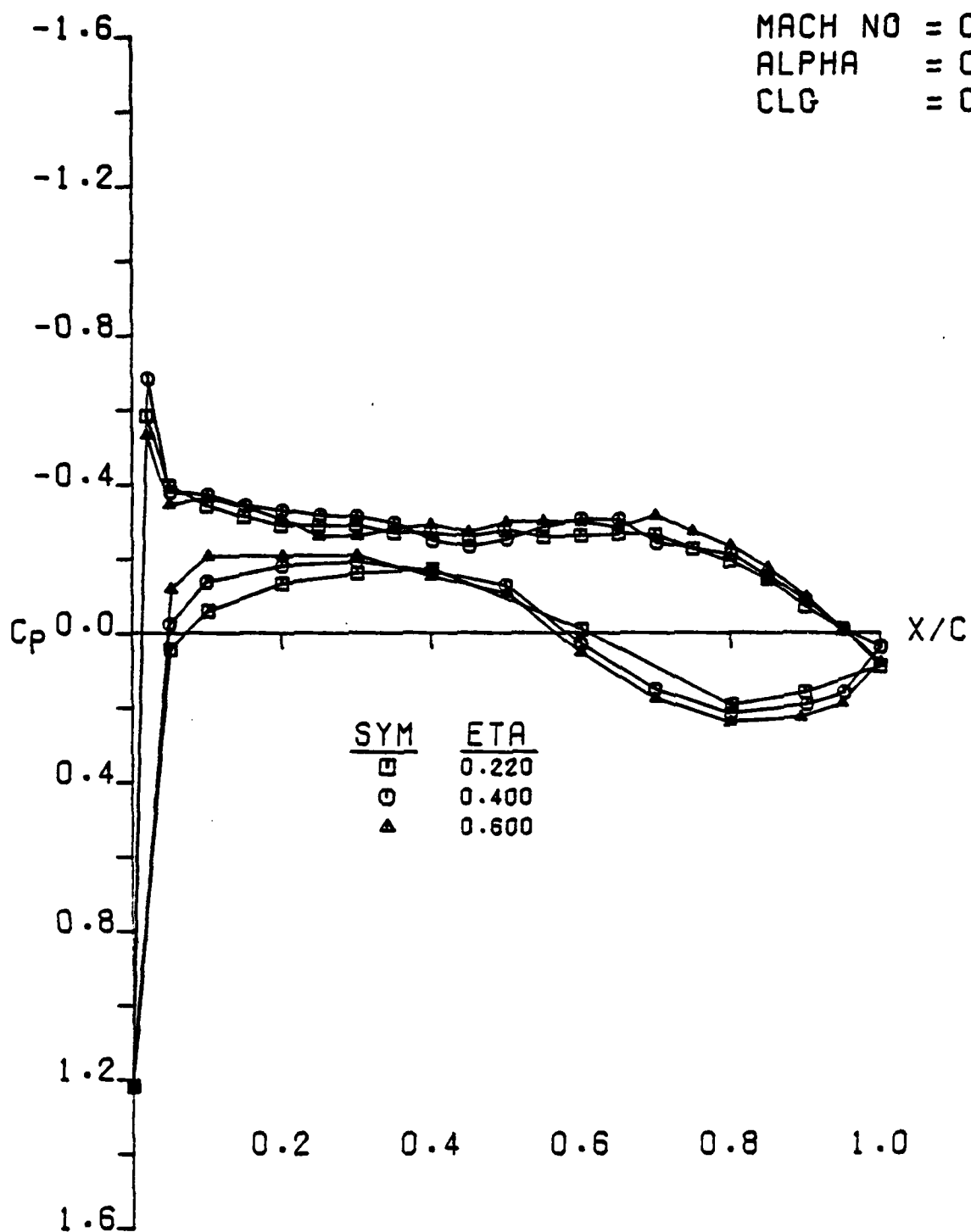
□	0.220
○	0.400
▲	0.600
+	0.800
x	0.950



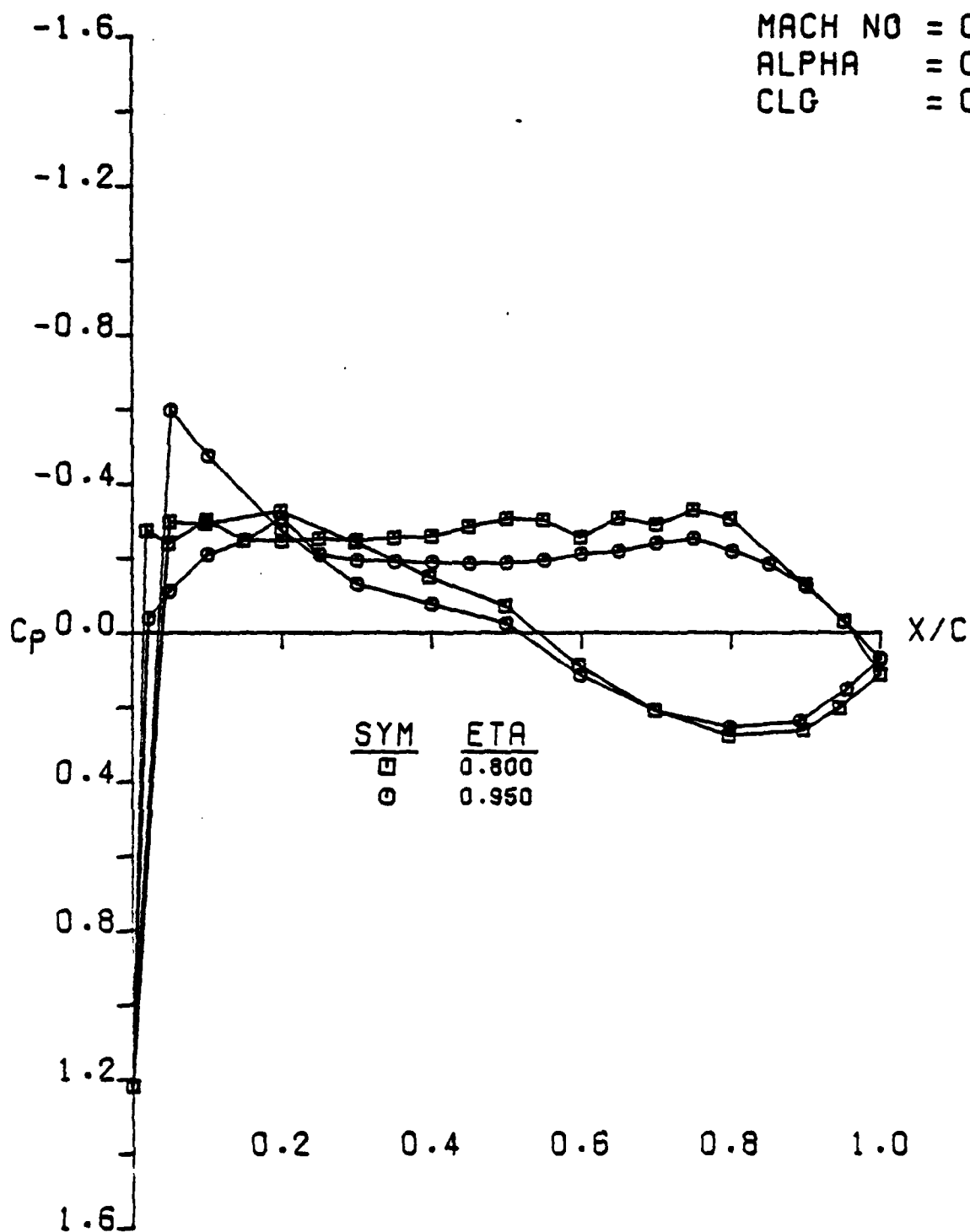
CONDITIONS

MACH NO	=	0.899
ALPHA	=	0.967
CL	=	0.230
CD	=	0.015
CM	=	-0.069
CLG	=	0.230

LOCKHEED CFWT SEMI-SPAN TEST, RUN 22
 TITLE
 AFOSR SEMISPAN MODEL B

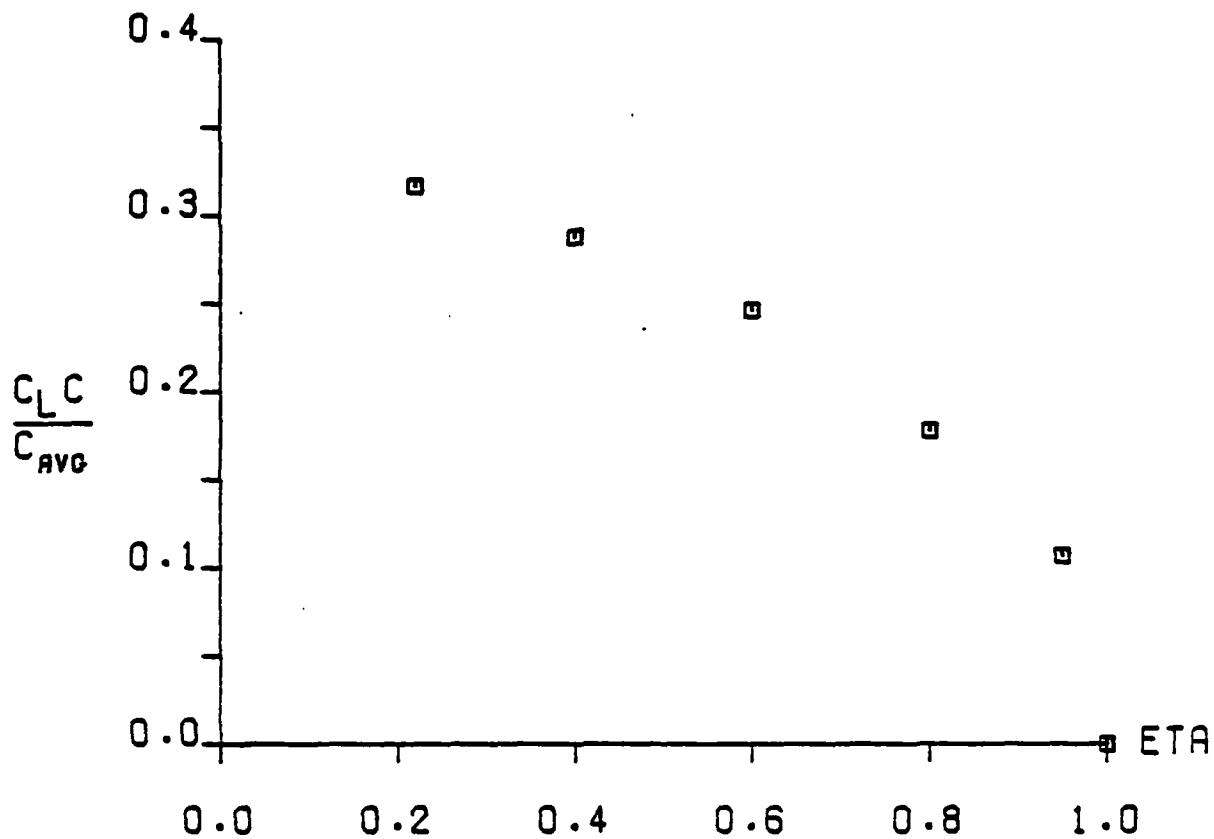


LOCKHEED CFWT SEMI-SPAN TEST, RUN 22
TITLE
AFOSR SEMISPAN MODEL B



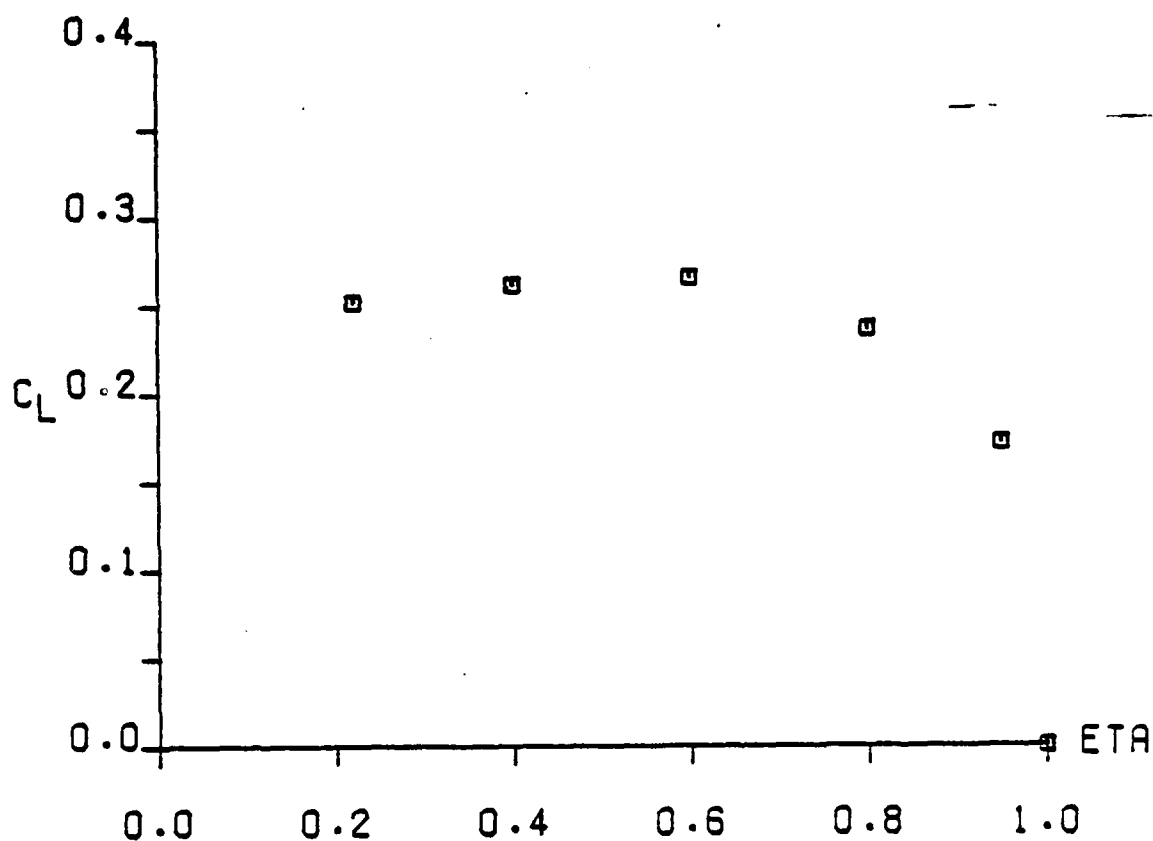
LOCKHEED CFWT SEMI-SPAN TEST, RUN 22
TITLE
AFOSR SEMISPAN MODEL 8

MACH NO = 0.899
ALPHA = 0.967
CLG = 0.230

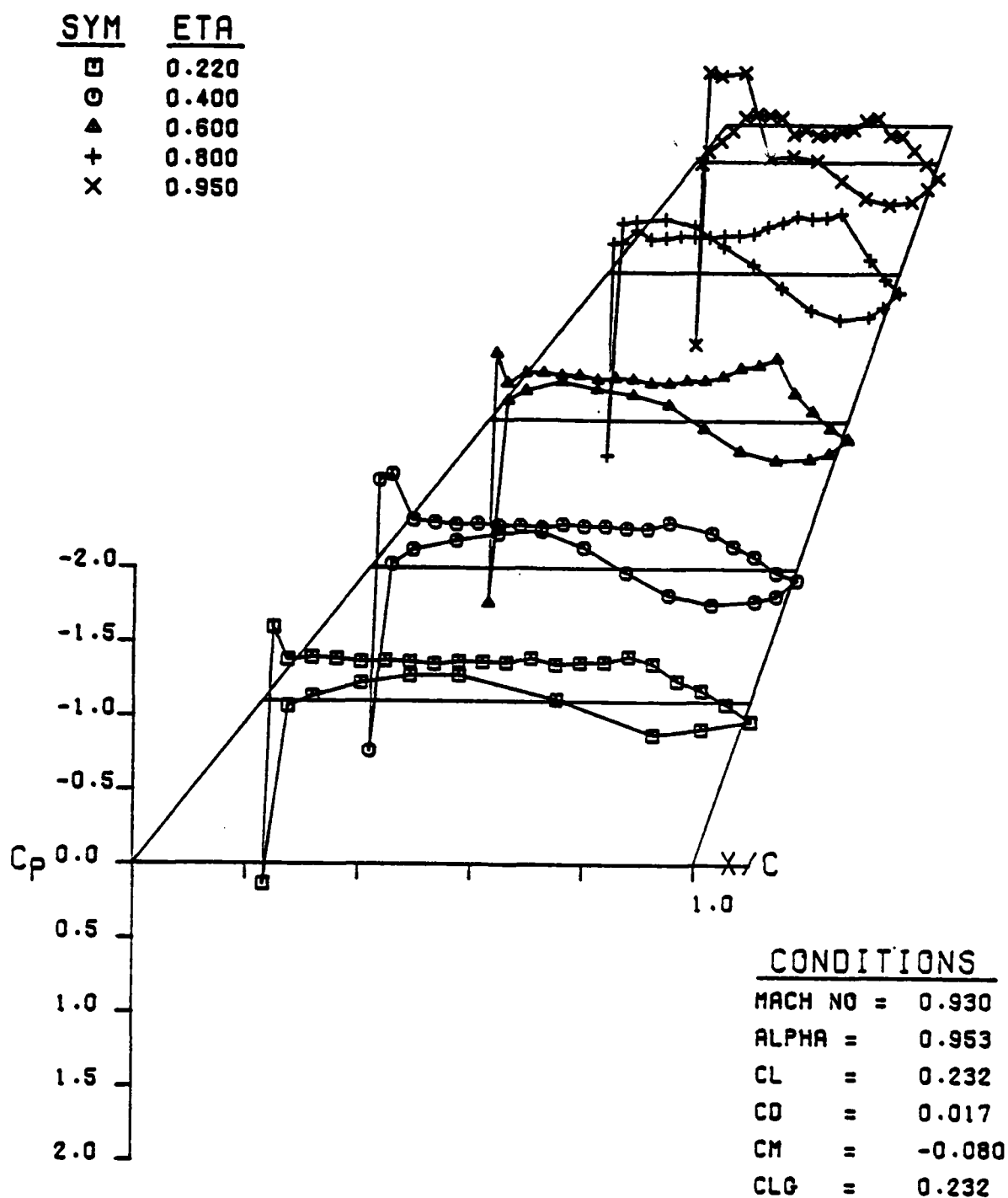


LOCKHEED CFWT SEMI-SPAN TEST, RUN 22
TITLE
AFOSR SEMISPAN MODEL B

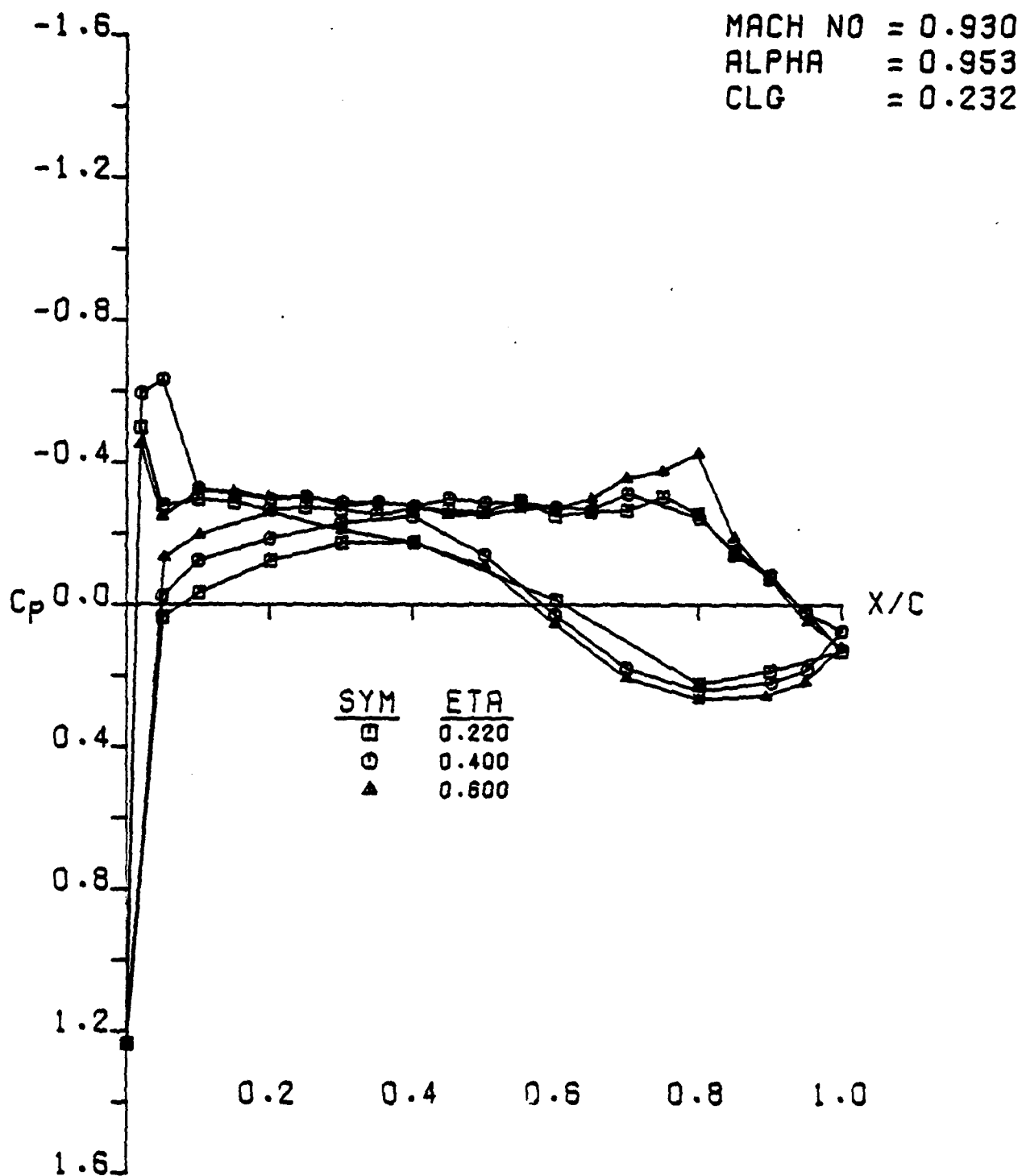
MACH NO = 0.899
ALPHA = 0.967
CLG = 0.230



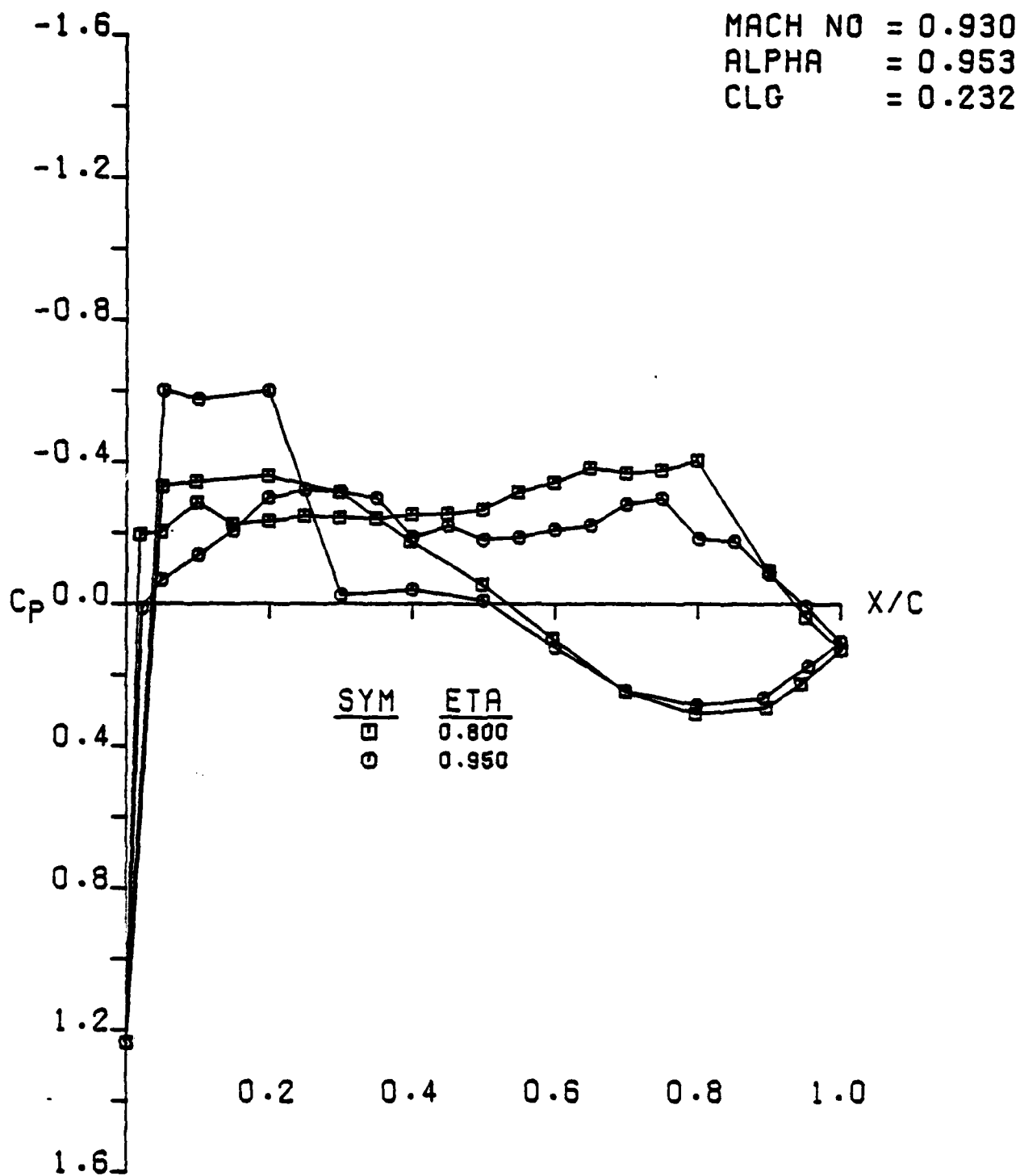
LOCKHEED CFWT SEMI-SPAN TEST, RUN 22
TITLE
AFOSR SEMISPAN MODEL B



LOCKHEED CFWT SEMI-SPAN TEST, RUN 67
 TITLE
 AFOSR SEMISPAN MODEL B

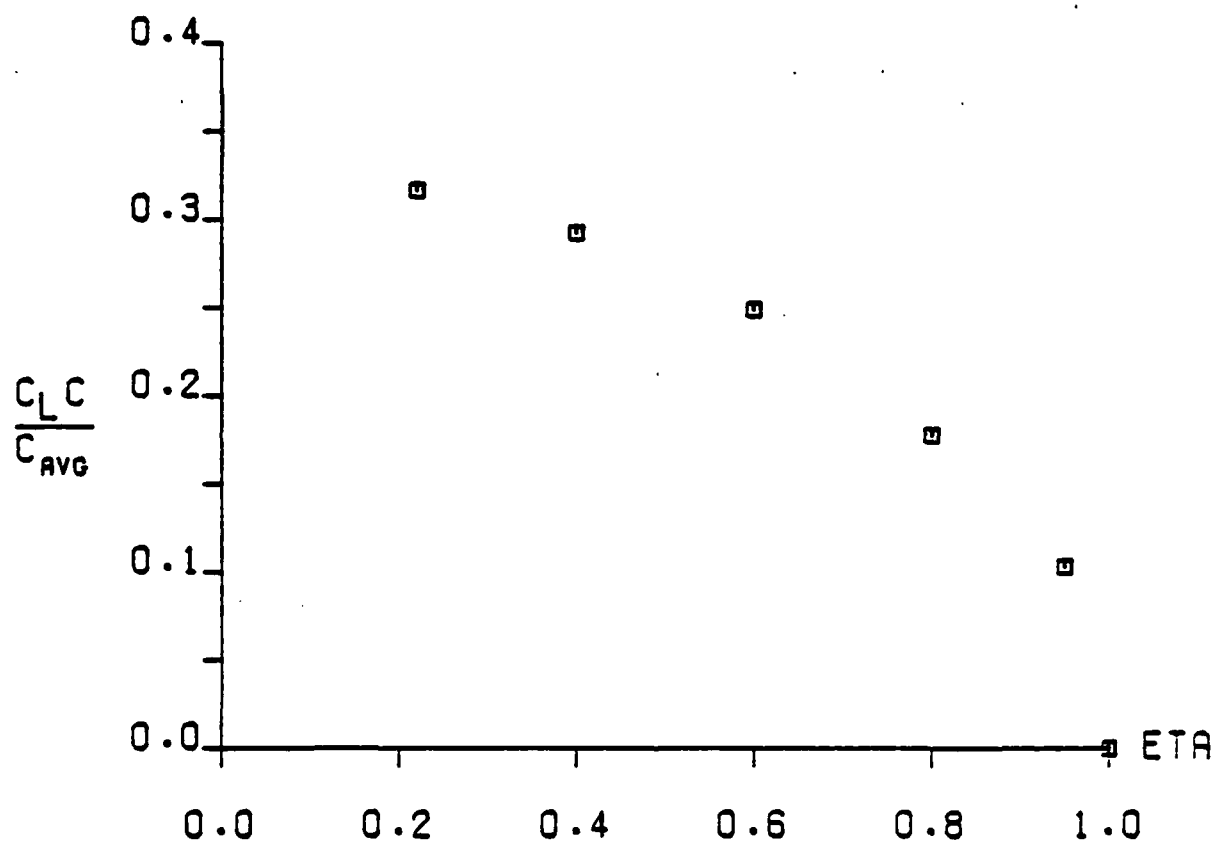


LOCKHEED CFWT SEMI-SPAN TEST. RUN 67
 TITLE
 AFOSR SEMISPAN MODEL B



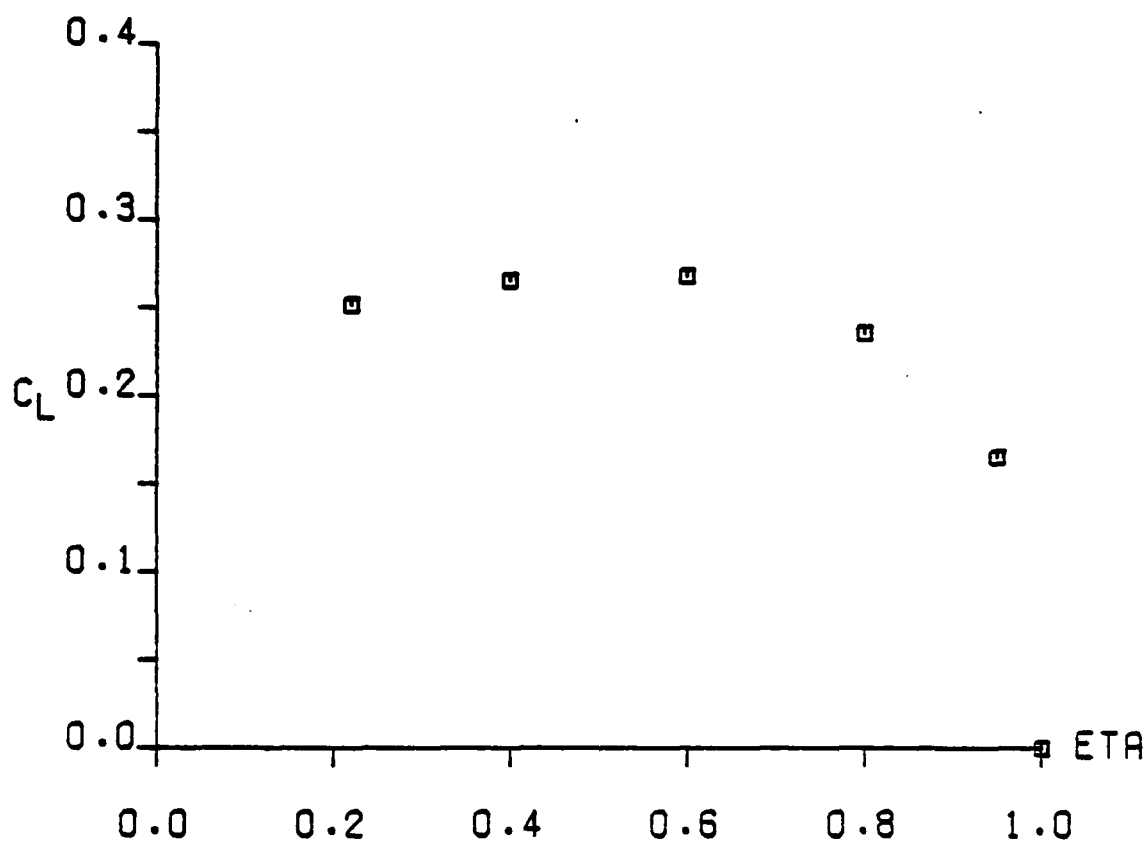
LOCKHEED CFWT SEMI-SPAN TEST, RUN 67
TITLE
AFOSR SEMISPAN MODEL B

MACH NO = 0.930
ALPHA = 0.953
CLG = 0.232

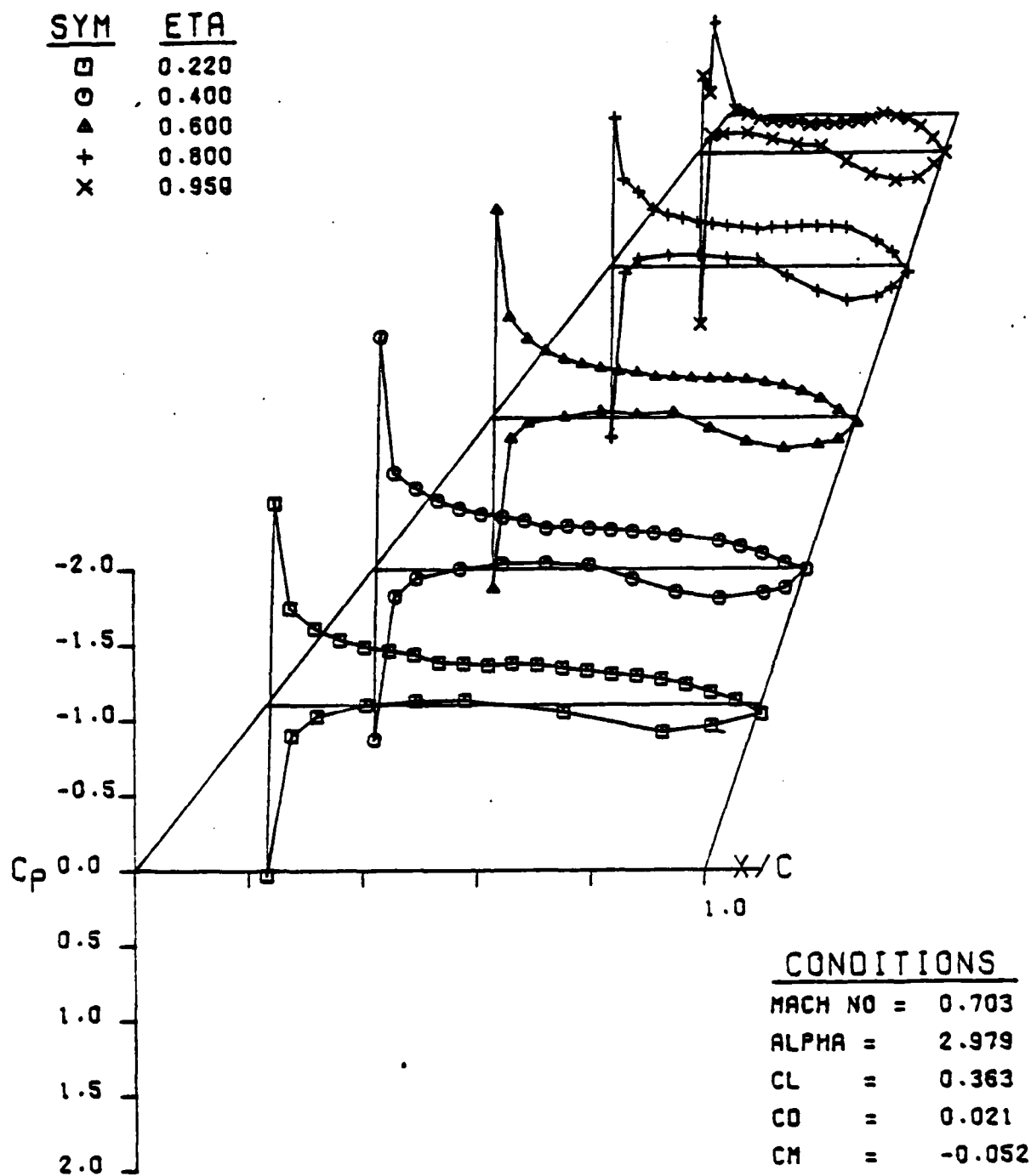


LOCKHEED CFWT SEMI-SPAN TEST, RUN 67
TITLE
AFOSR SEMISPAN MODEL B

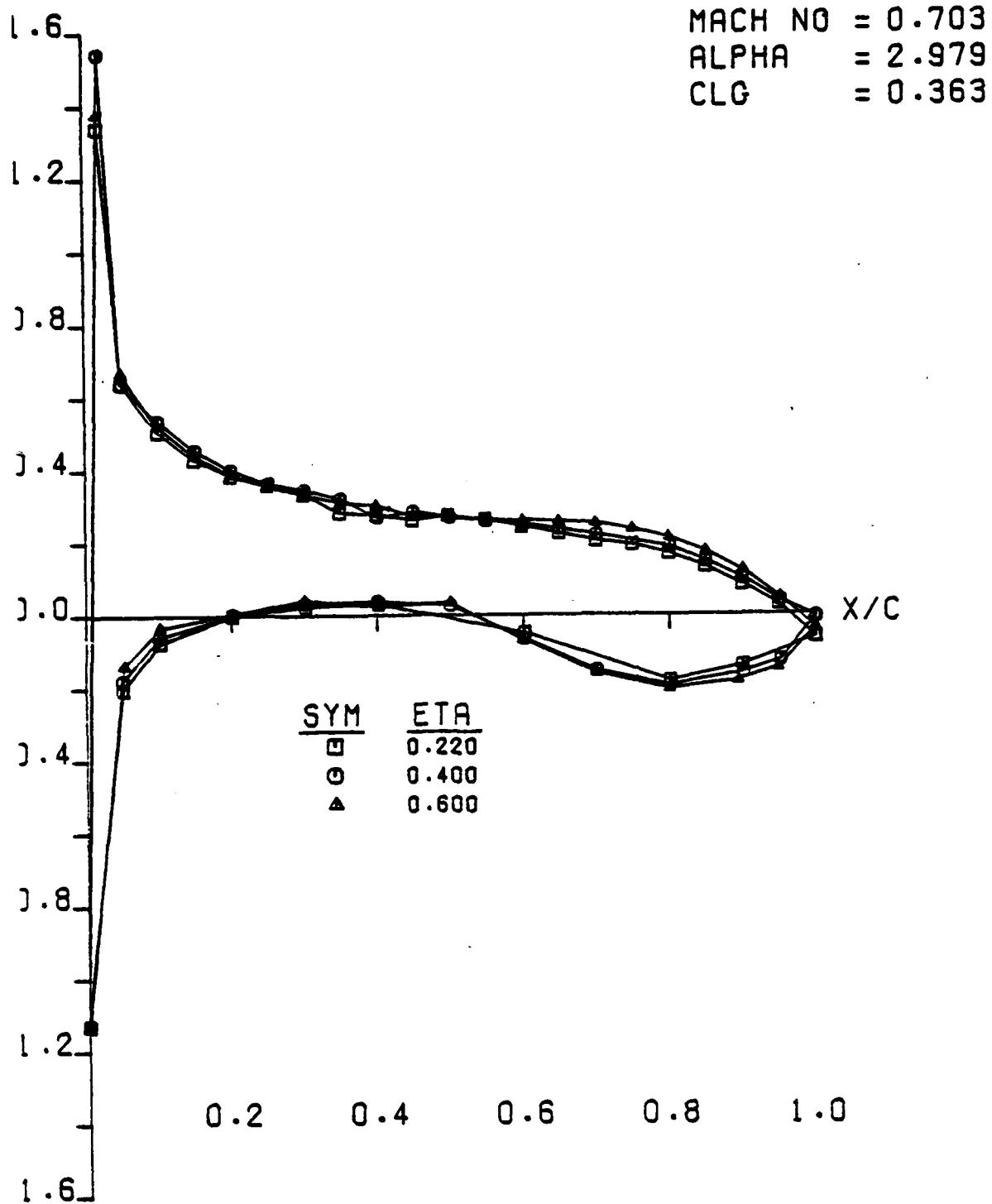
MACH NO = 0.930
ALPHA = 0.953
CLG = 0.232



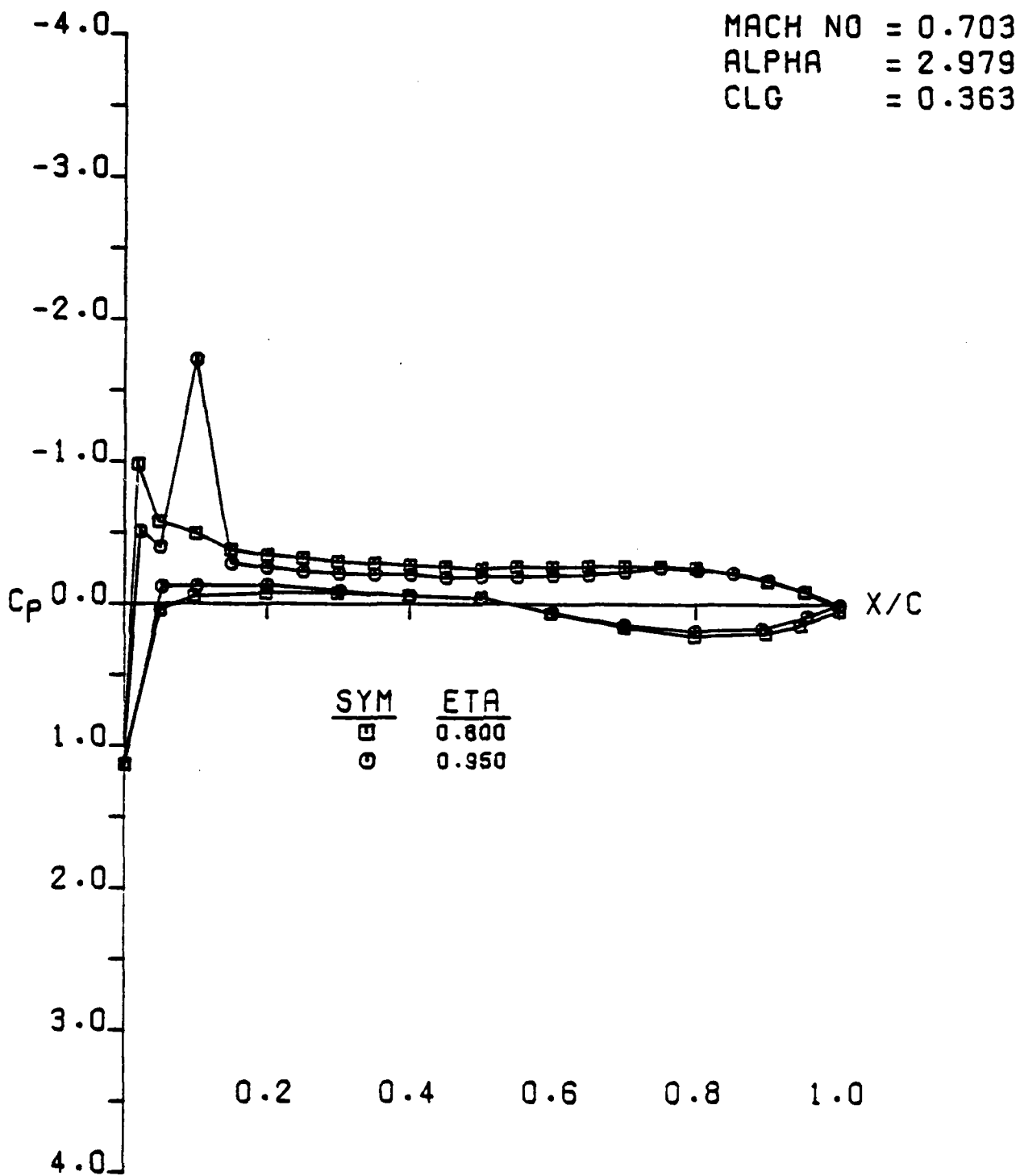
LOCKHEED CFWT SEMI-SPAN TEST, RUN 67
TITLE
AFOSR SEMISPAN MODEL B



LOCKHEED CFWT SEMI-SPAN TEST, RUN 234
 TITLE
 AFOSR SEMISPAN MODEL B

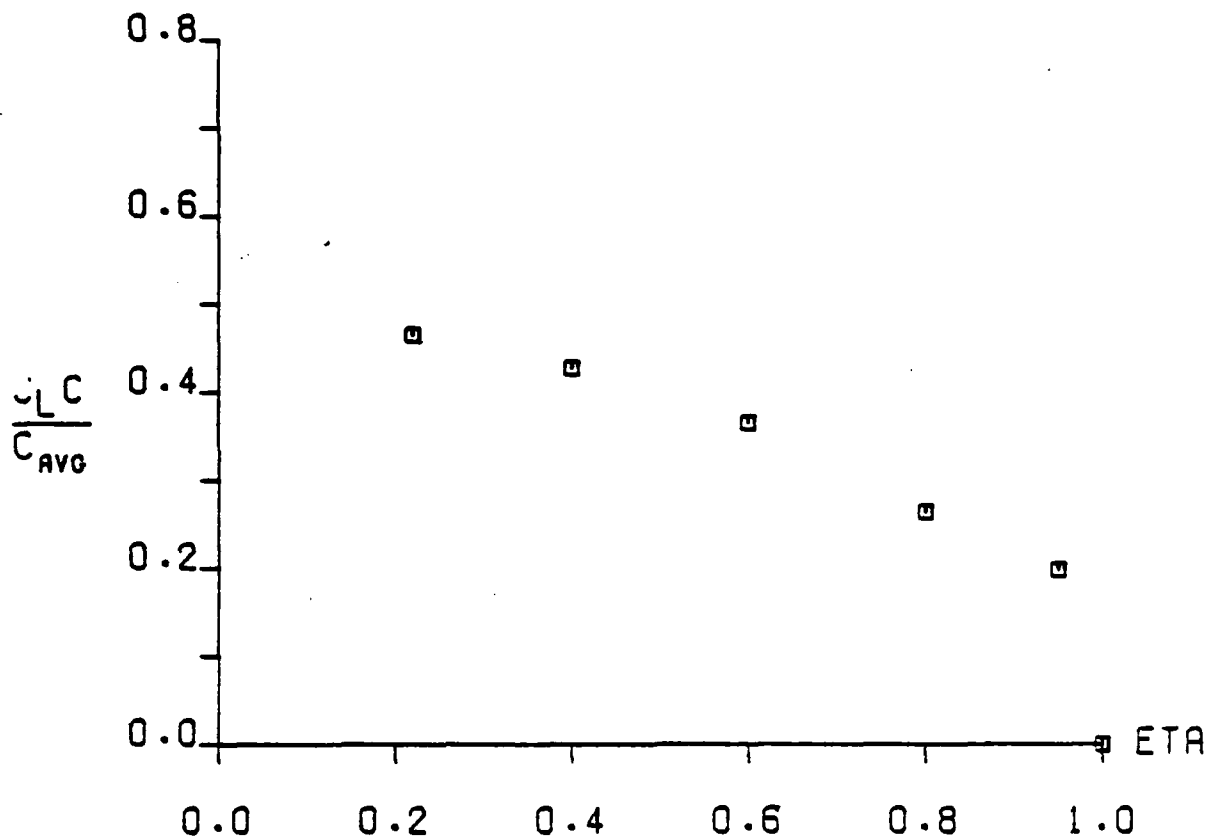


LOCKHEED CFWT SEMI-SPAN TEST, RUN 234
TITLE
AFOSR SEMISPAN MODEL B



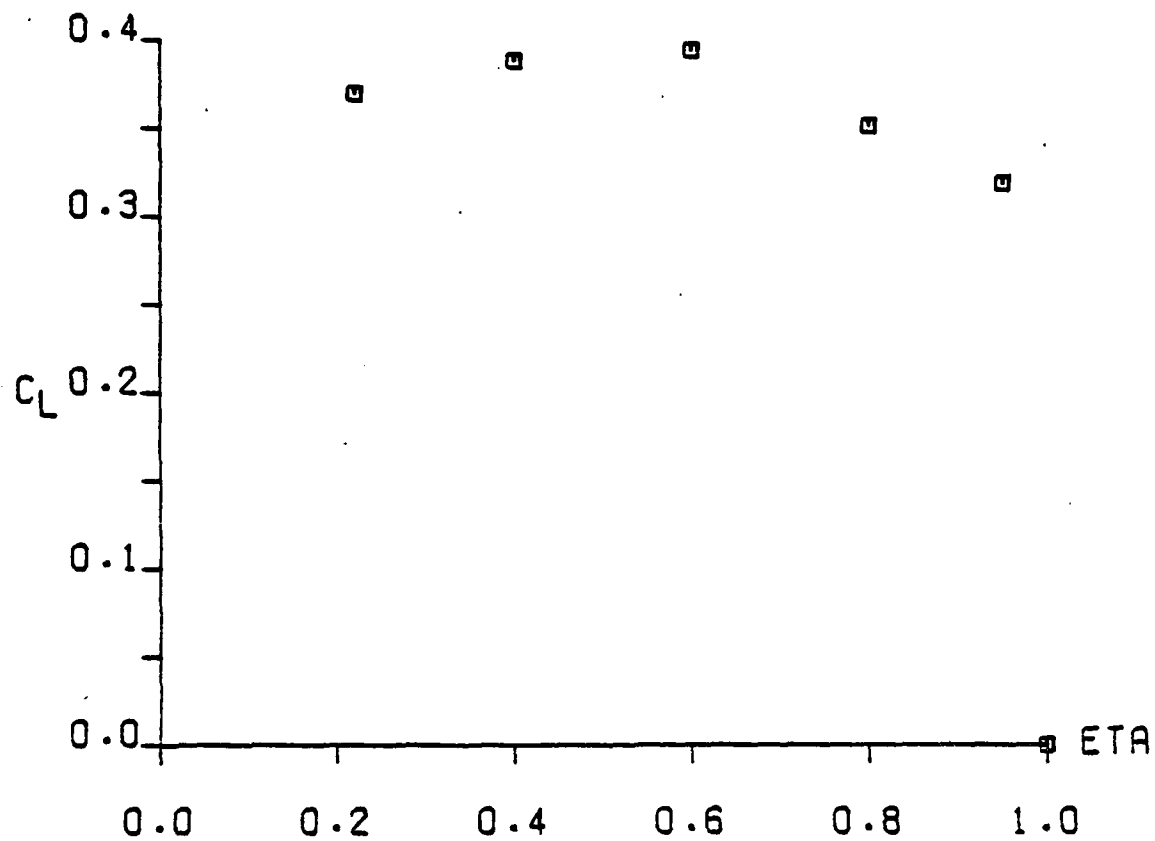
LOCKHEED CFWT SEMI-SPAN TEST, RUN 234
TITLE
AFOSR SEMISPAN MODEL B

MACH NO = 0.703
ALPHA = 2.979
CLG = 0.363



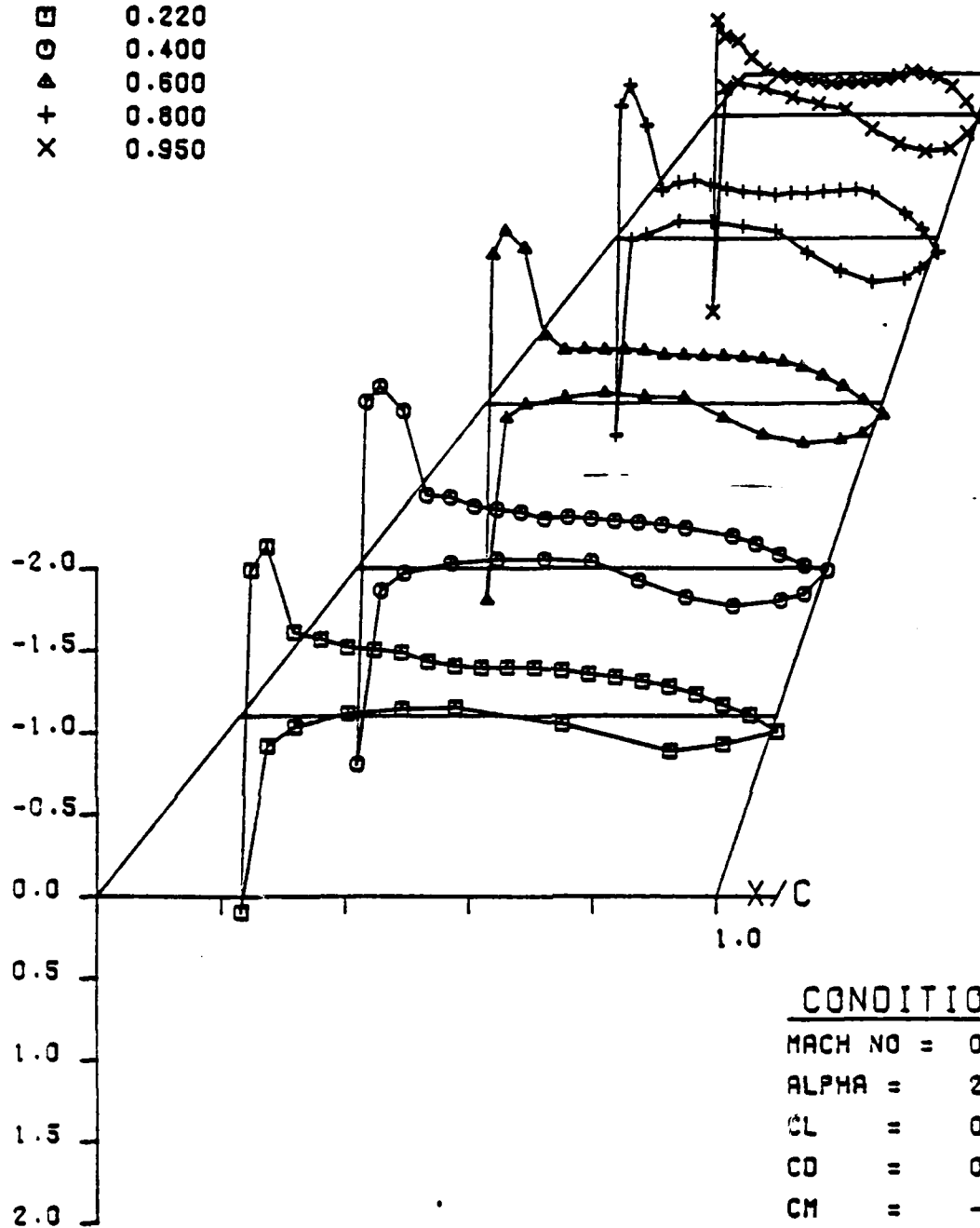
LOCKHEED CFWT SEMI-SPAN TEST, RUN 234
TITLE
AFOSR SEMISPAN MODEL B

MACH NO = 0.703
ALPHA = 2.979
CLG = 0.363

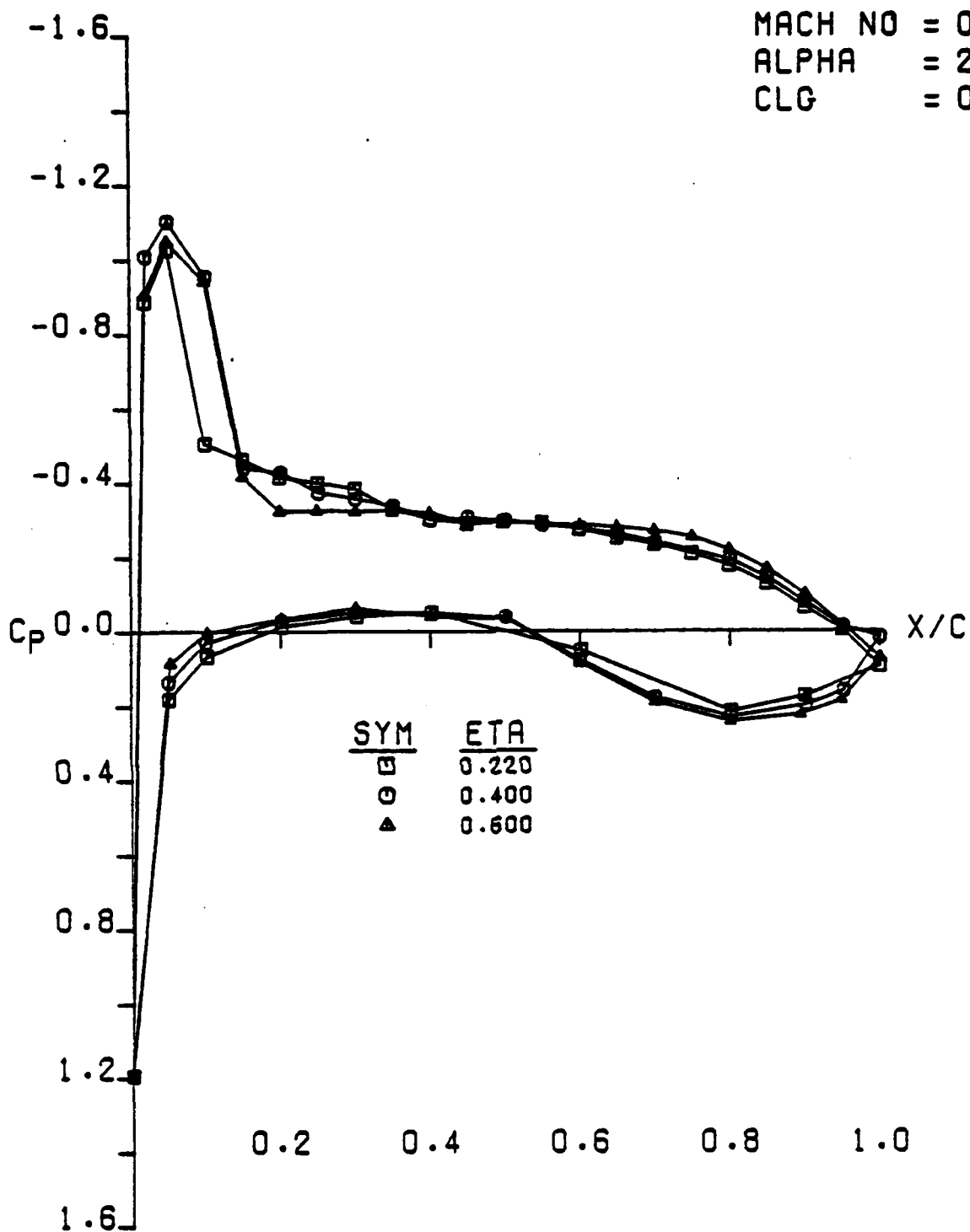


LOCKHEED CFWT SEMI-SPAN TEST, RUN 234
TITLE
AFOSR SEMISPAN MODEL B

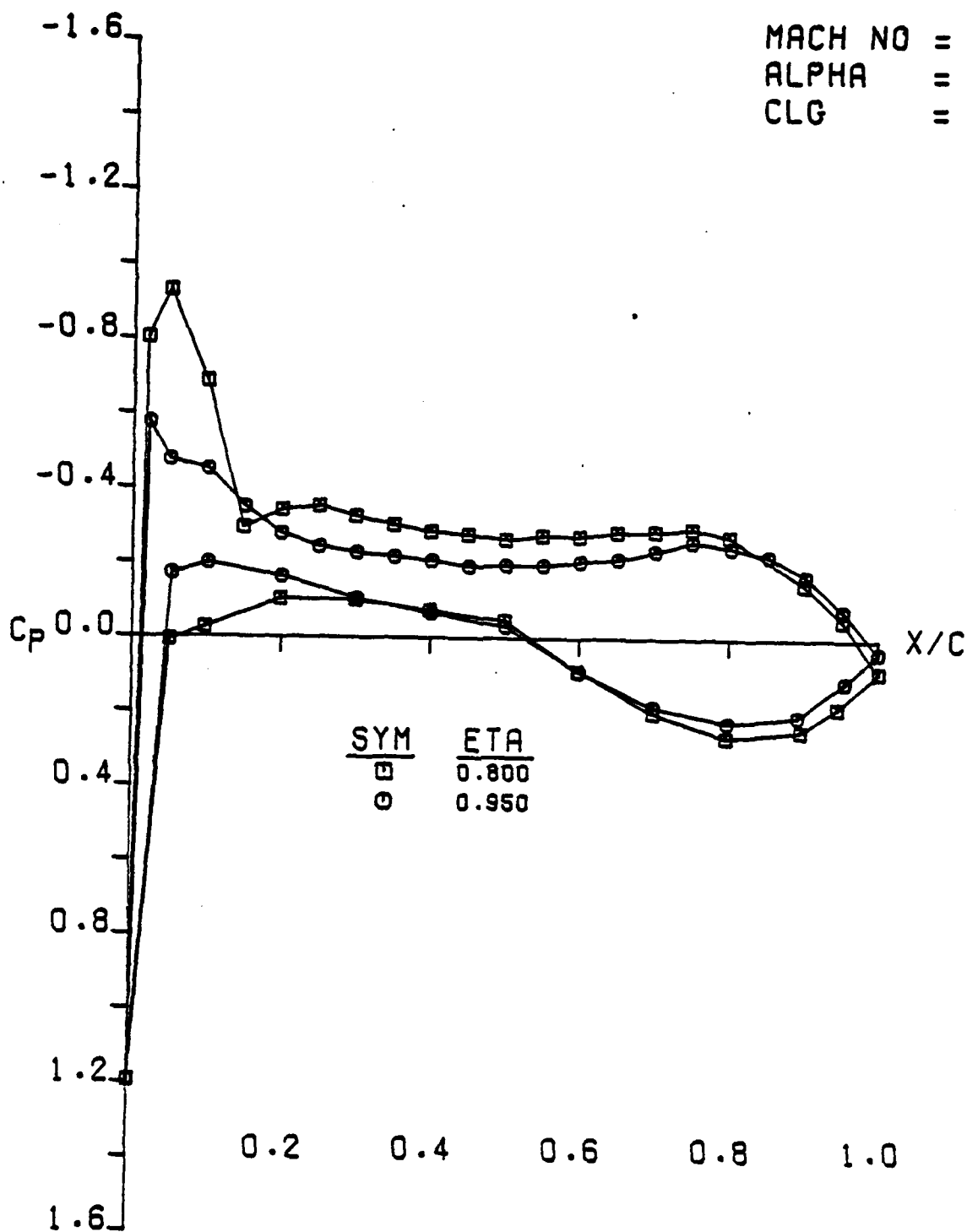
<u>SYM</u>	<u>ETA</u>
□	0.220
○	0.400
△	0.600
+	0.800
x	0.950



LOCKHEED CFWT SEMI-SPAN TEST, RUN 15
 TITLE
 AFOSR SEMISPAN MODEL B

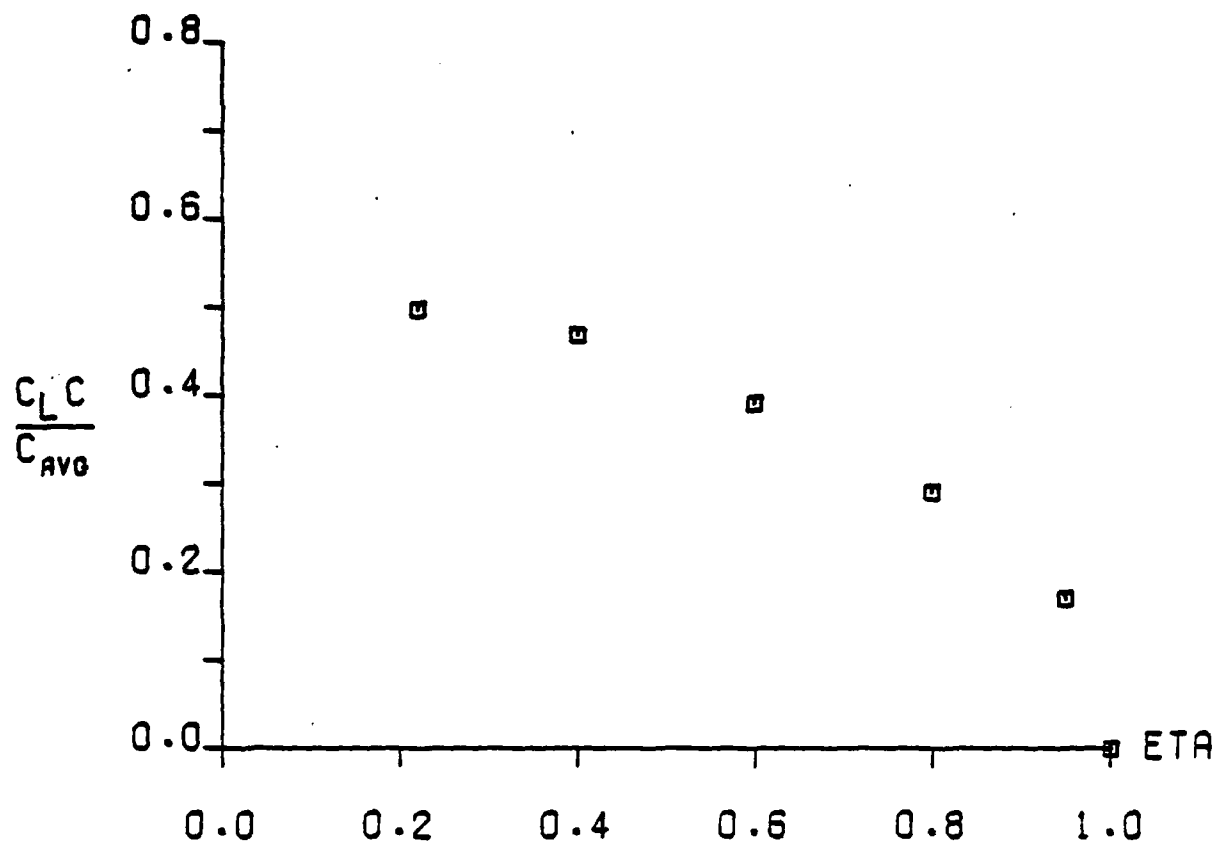


LOCKHEED CFWT SEMI-SPAN TEST, RUN 15
TITLE
AFOSR SEMISPAN MODEL B



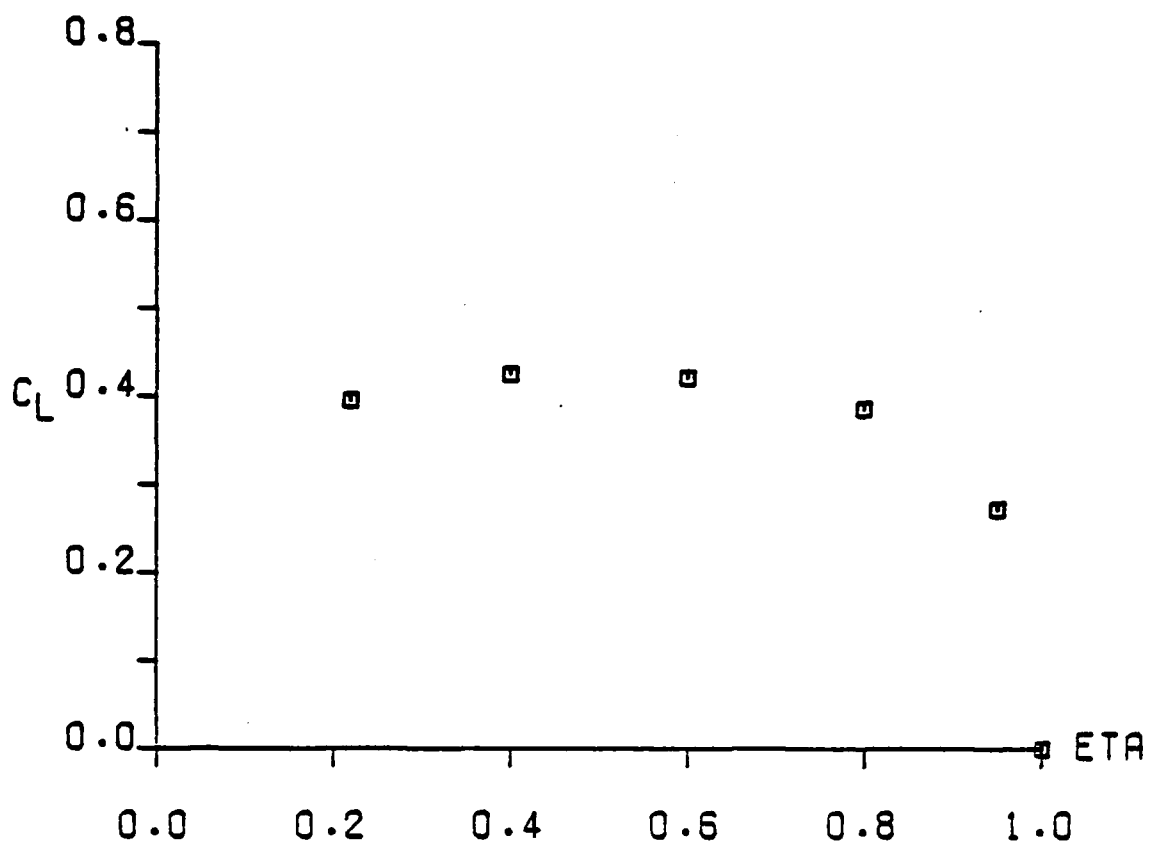
LOCKHEED CFWT SEMI-SPAN TEST, RUN 15
 TITLE
 AFOSR SEMISPAN MODEL B

MACH NO = 0.851
ALPHA = 2.950
CLG = 0.388



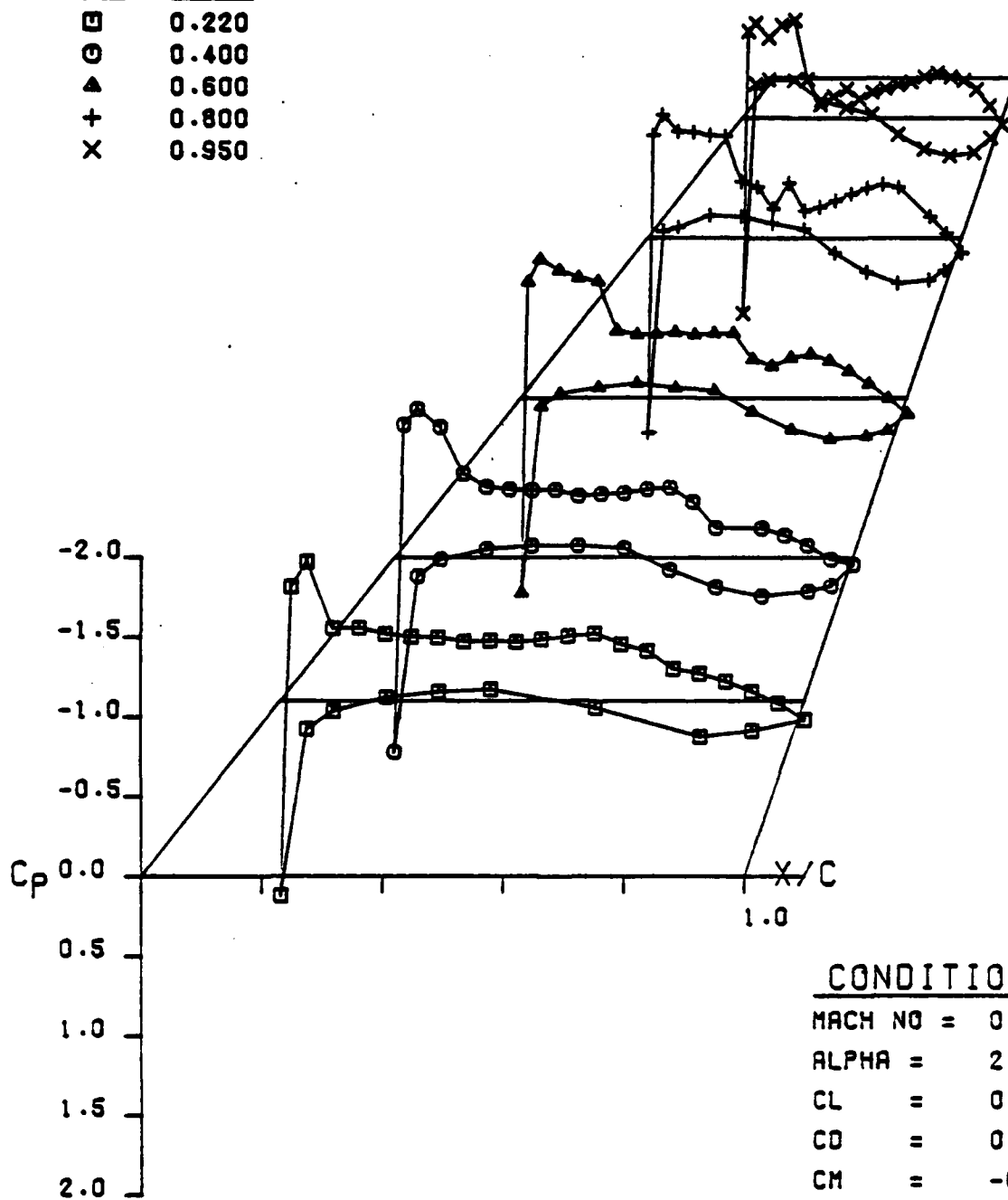
LOCKHEED CFWT SEMI-SPAN TEST, RUN 15
TITLE
AFOSR SEMISPAN MODEL B

MACH NO = 0.851
ALPHA = 2.950
CLG = 0.388



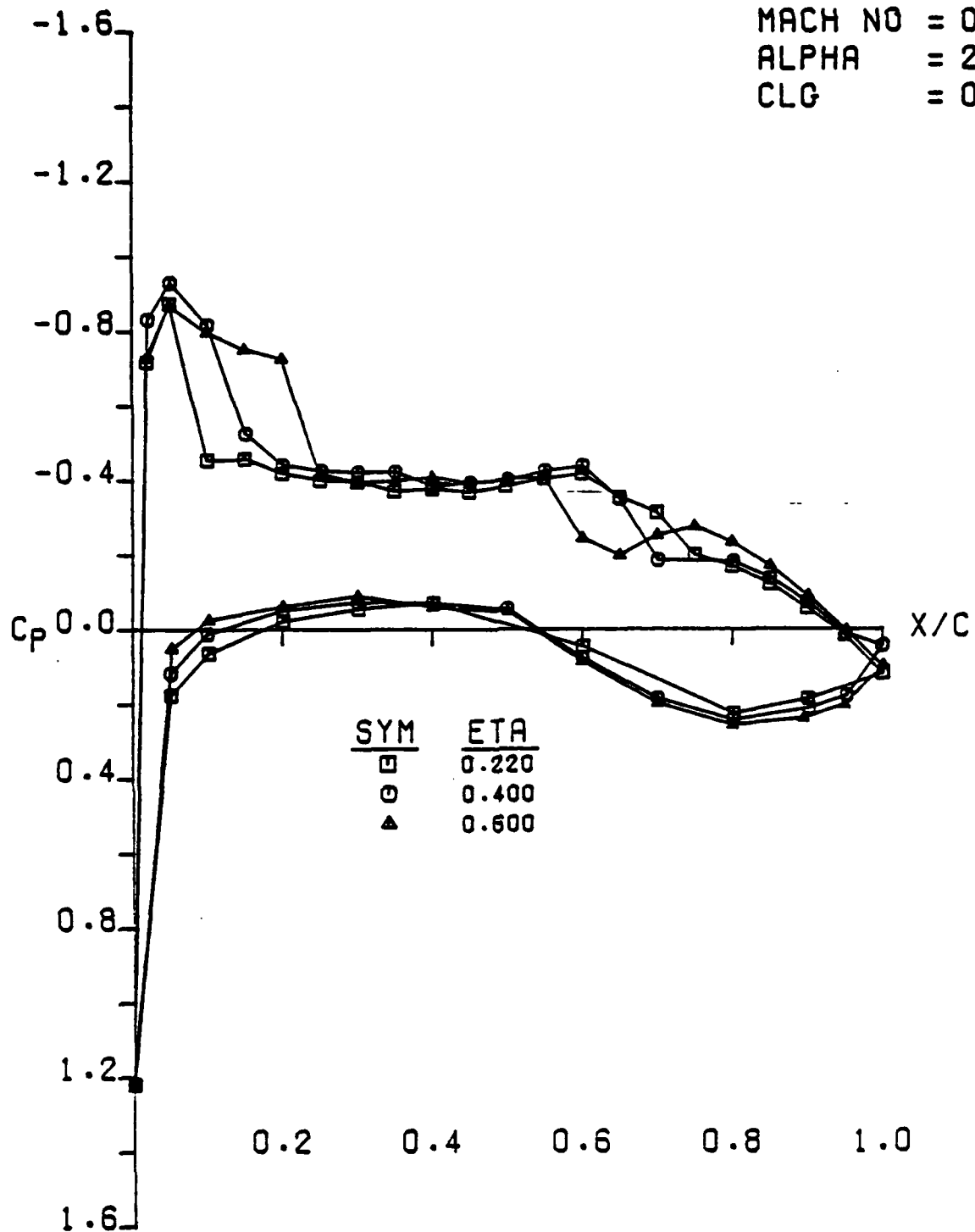
LOCKHEED CFWT SEMI-SPAN TEST, RUN 15
TITLE
AFOSR SEMISPAN MODEL B

<u>SYM</u>	<u>ETA</u>
□	0.220
○	0.400
▲	0.600
+	0.800
X	0.950



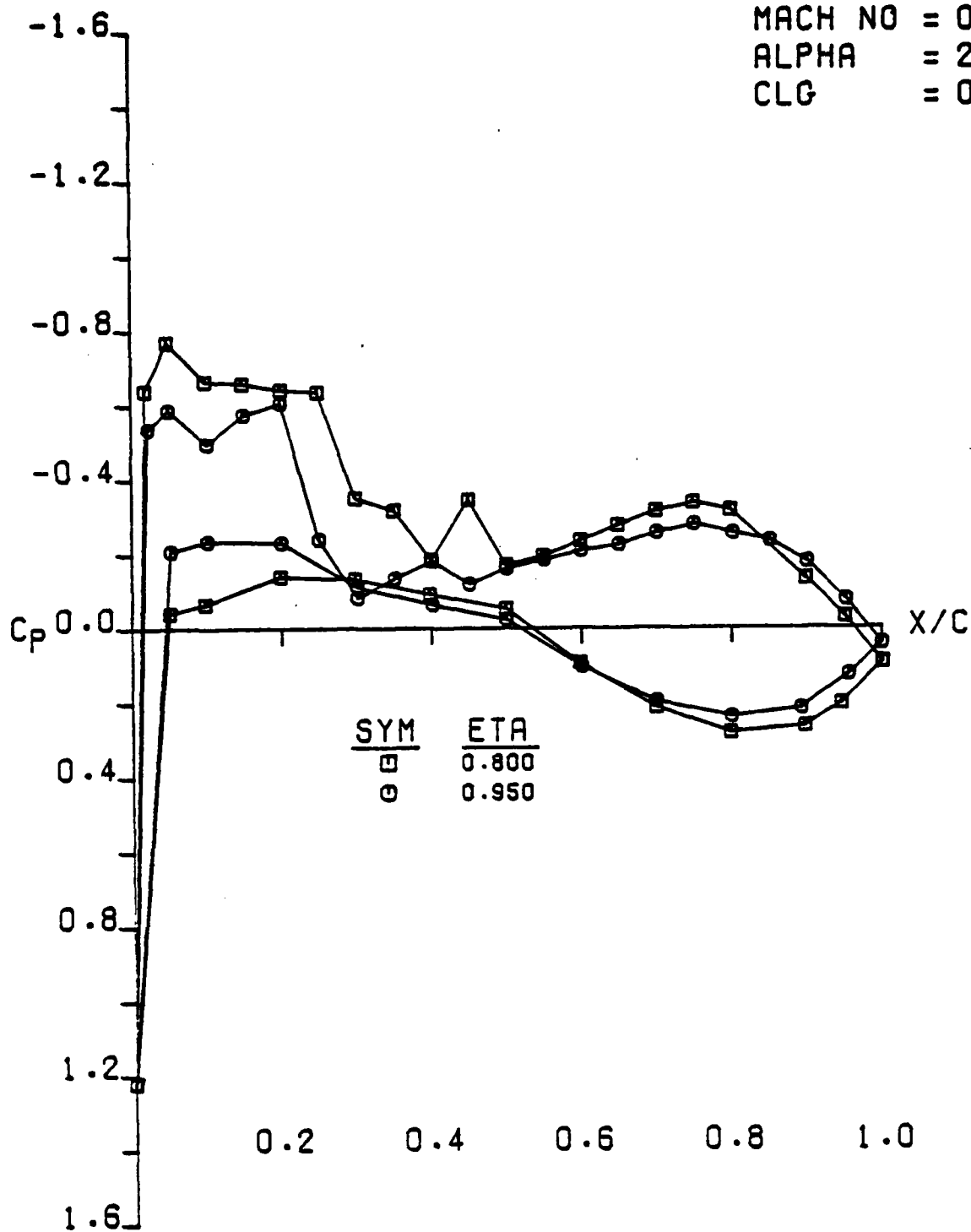
LOCKHEED CFWT SEMI-SPAN TEST, RUN 28
 TITLE
 AFOSR SEMISPAN MODEL B

MACH NO = 0.902
 ALPHA = 2.954
 CLG = 0.411



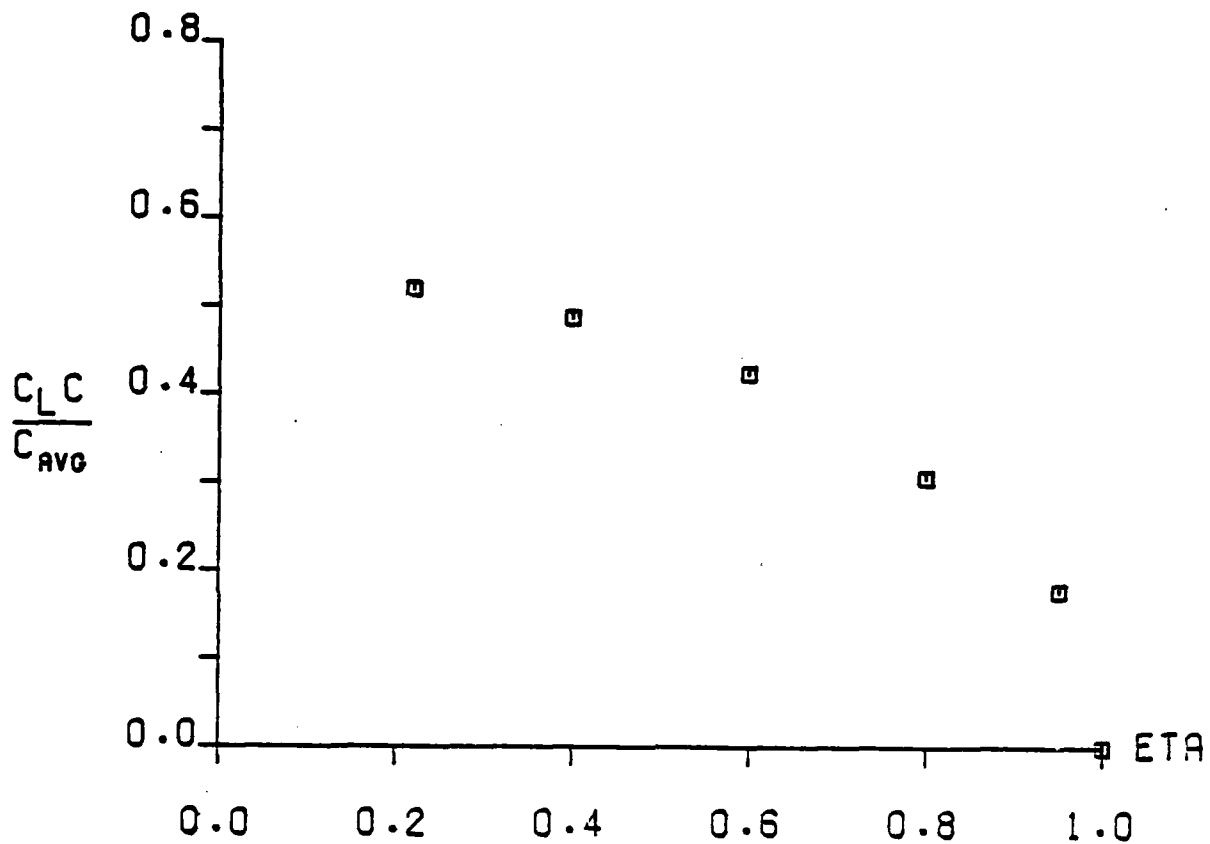
LOCKHEED CFWT SEMI-SPAN TEST, RUN 28
 TITLE
 AFOSR SEMISPAN MODEL B

MACH NO = 0.902
 ALPHA = 2.954
 CLG = 0.411



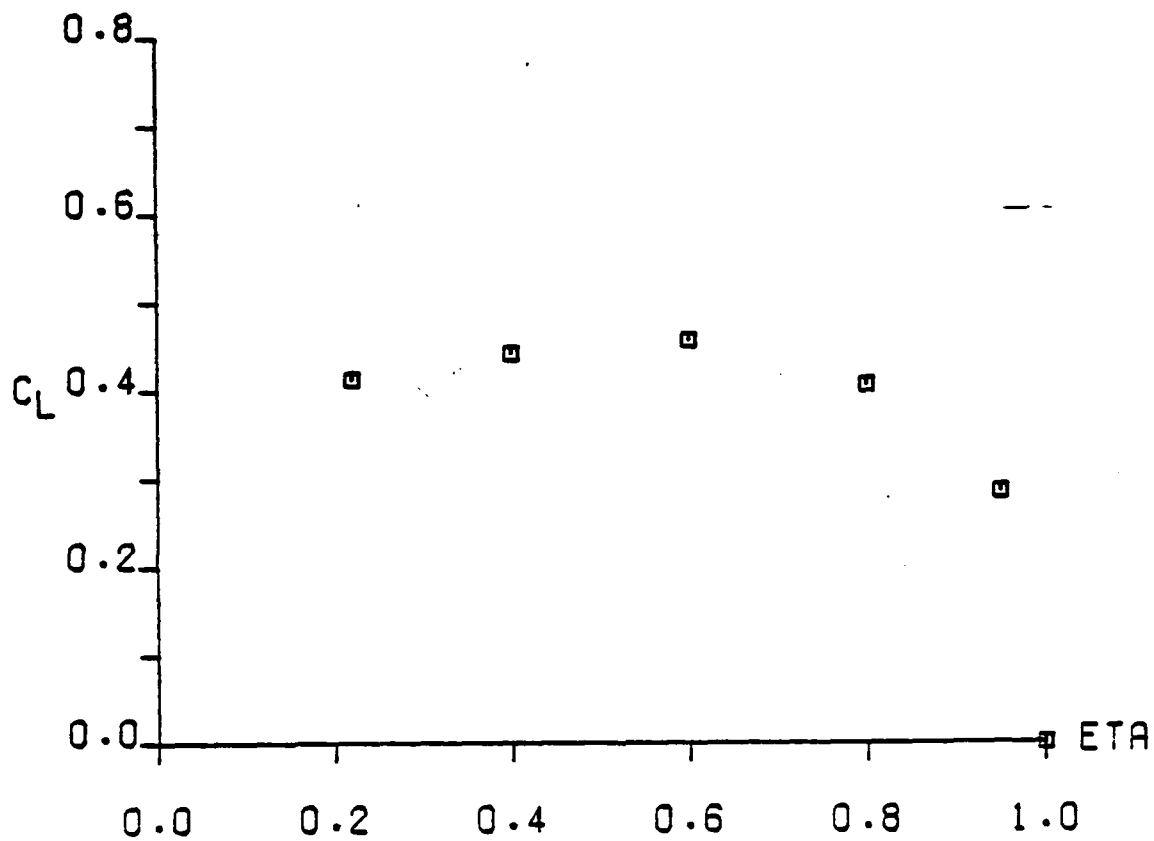
LOCKHEED CFWT SEMI-SPAN TEST, RUN 28
 TITLE
 AFOSR SEMISPAN MODEL B

MACH NO = 0.902
ALPHA = 2.954
CLG = 0.411



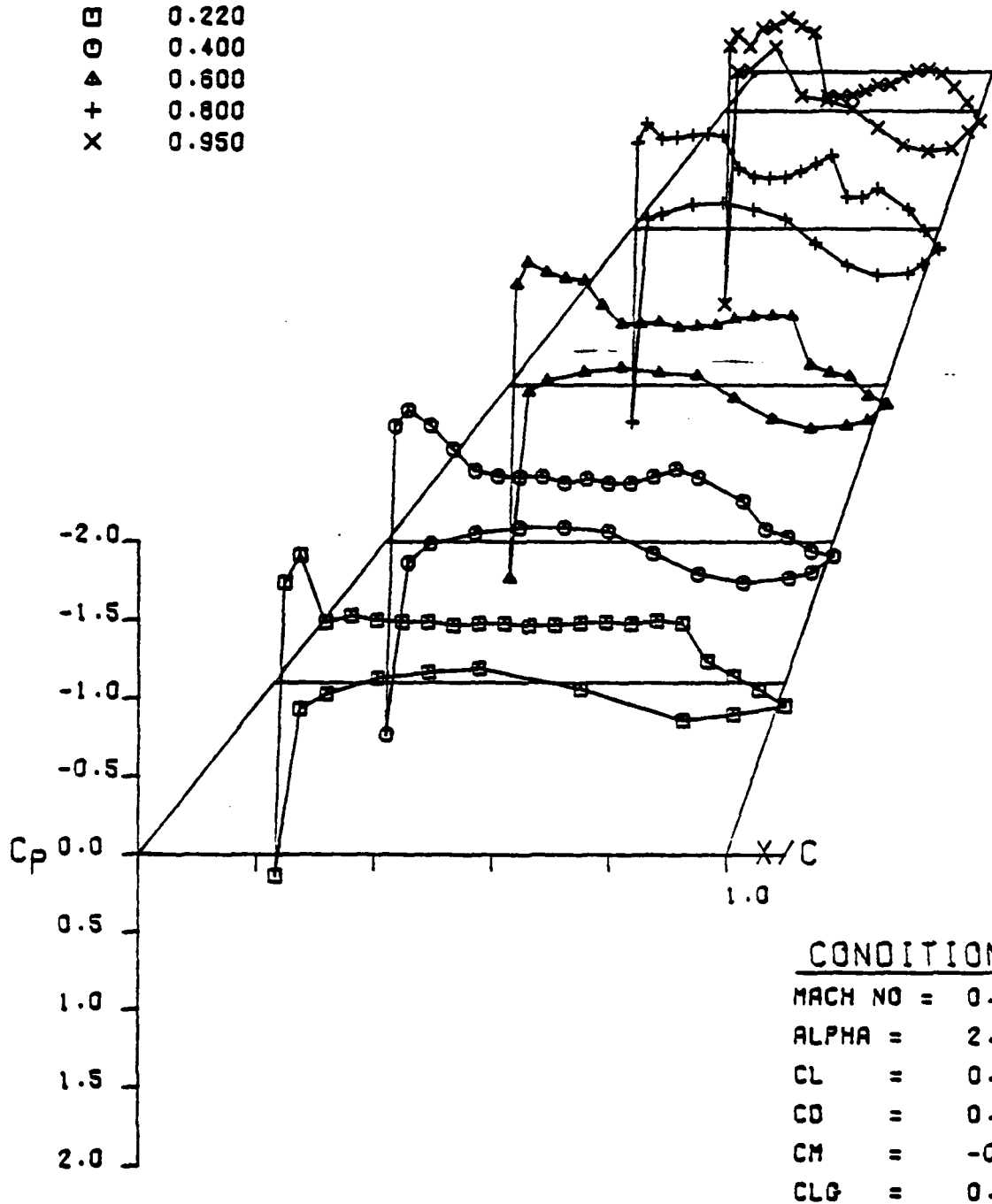
LOCKHEED CFWT SEMI-SPAN TEST, RUN 28
TITLE
AFOSR SEMISPAN MODEL B

MACH NO = 0.902
ALPHA = 2.954
CLG = 0.411



LOCKHEED CFWT SEMI-SPAN TEST, RUN 28
TITLE
AFOSR SEMISPAN MODEL B

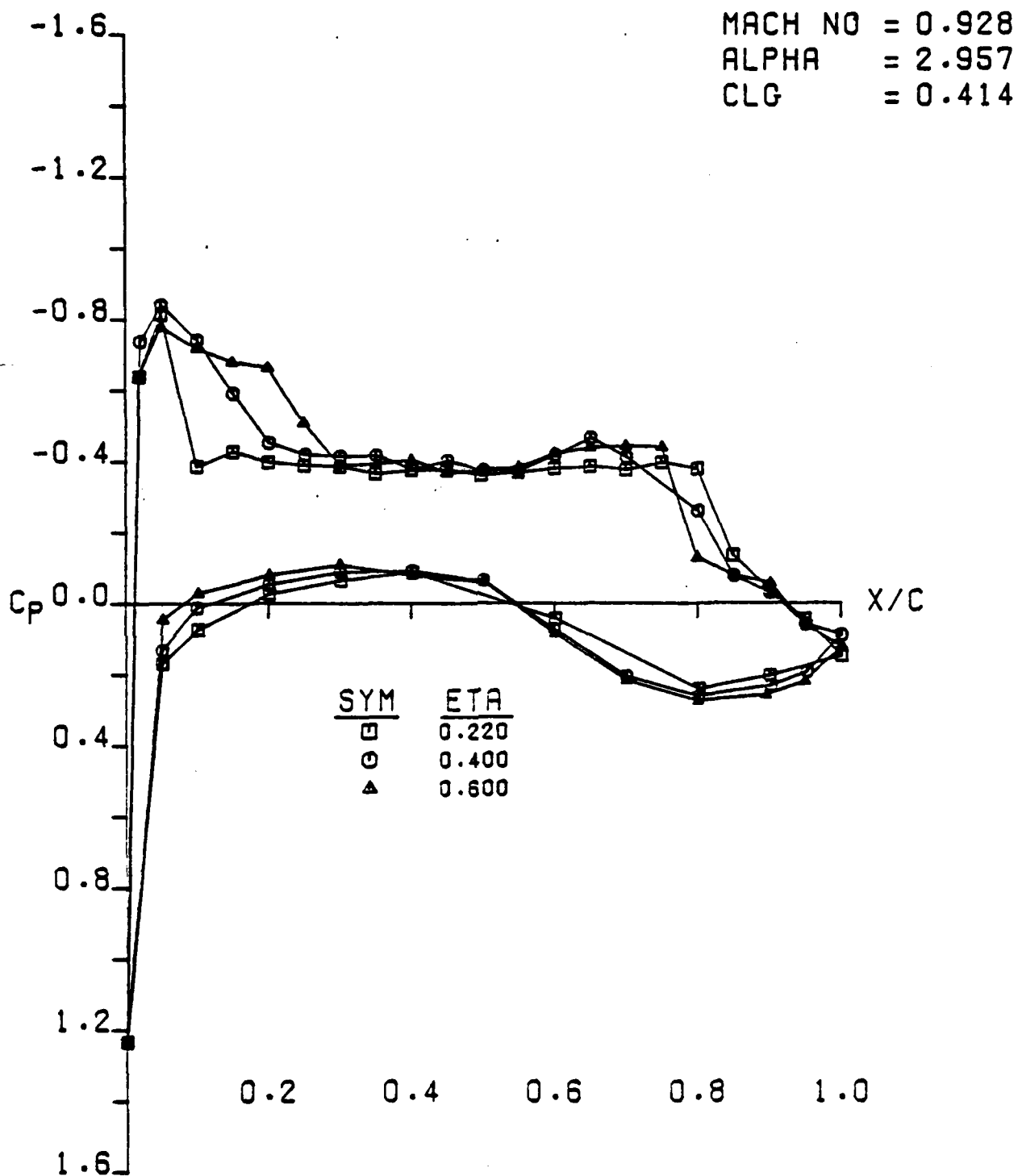
<u>SYM</u>	<u>ETA</u>
□	0.220
○	0.400
△	0.600
+	0.800
x	0.950



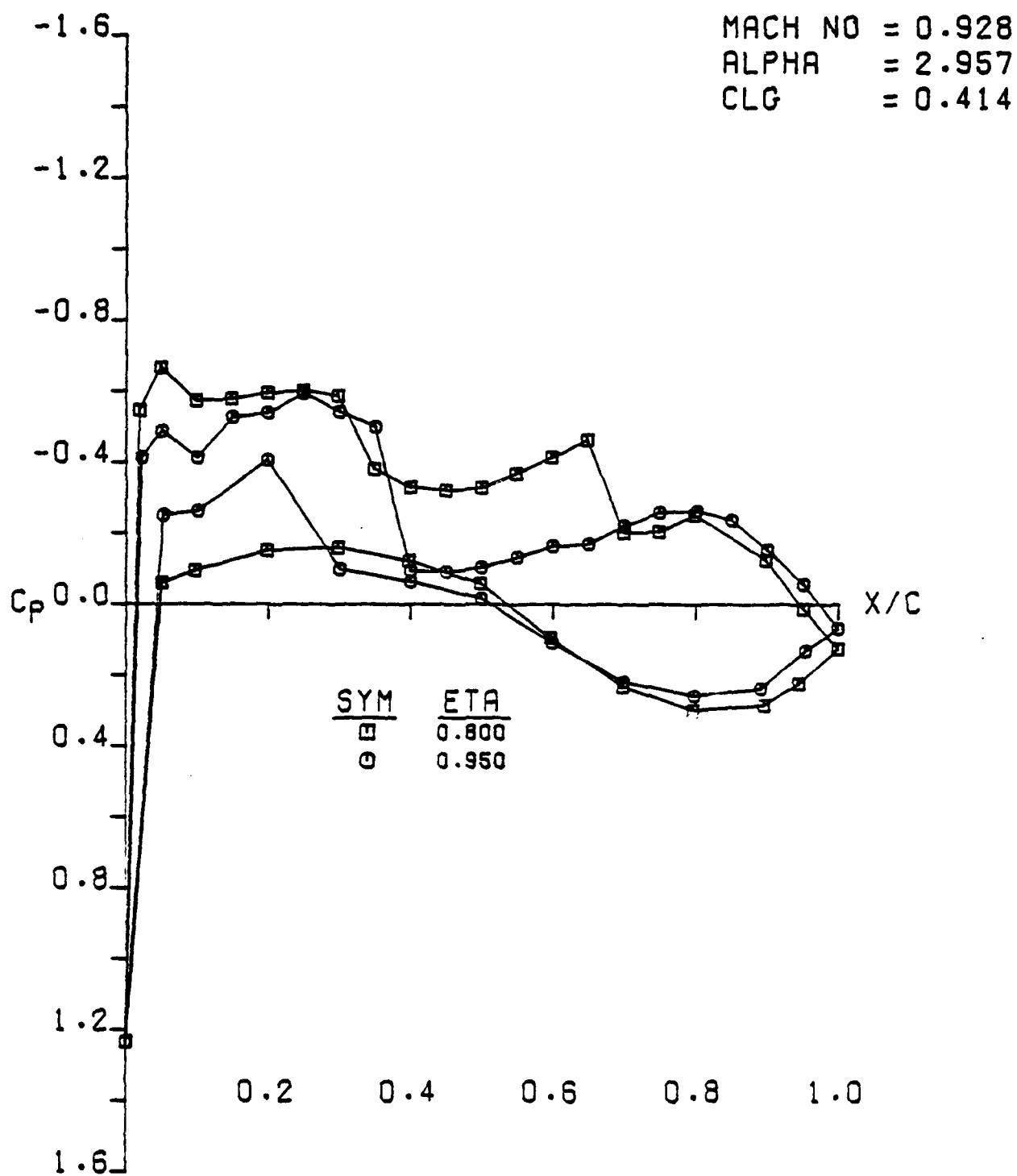
CONDITIONS

MACH NO = 0.928
 ALPHA = 2.957
 CL = 0.414
 CD = 0.030
 CM = -0.092
 CLG = 0.414

LOCKHEED CFWT SEMI-SPAN TEST, RUN 69
 TITLE
 AFOSR SEMISPAN MODEL B



LOCKHEED CFWT SEMI-SPAN TEST, RUN 69
 TITLE
 AFOSR SEMISPAN MODEL B



LOCKHEED CFWT SEMI-SPAN TEST, RUN 69
TITLE
AFOSR SEMISPAN MODEL B

AD-A085 259

LOCKHEED-GEORGIA CO MARIETTA

F/G 20/4

ACQUISITION AND APPLICATION OF TRANSONIC WING AND FAR-FIELD TEST--ETC(U)

MAR 80 B L HINSON, K P BURDGES

F49620-78-C-0068

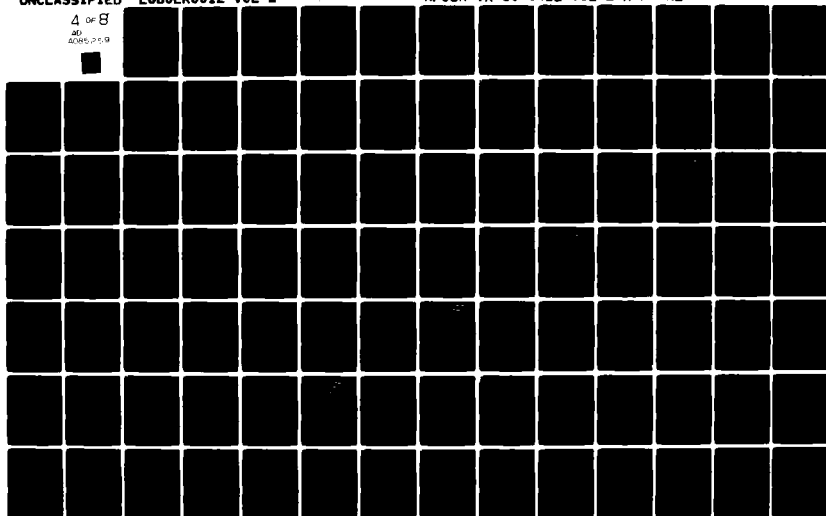
UNCLASSIFIED

L880ER0012-VOL-2

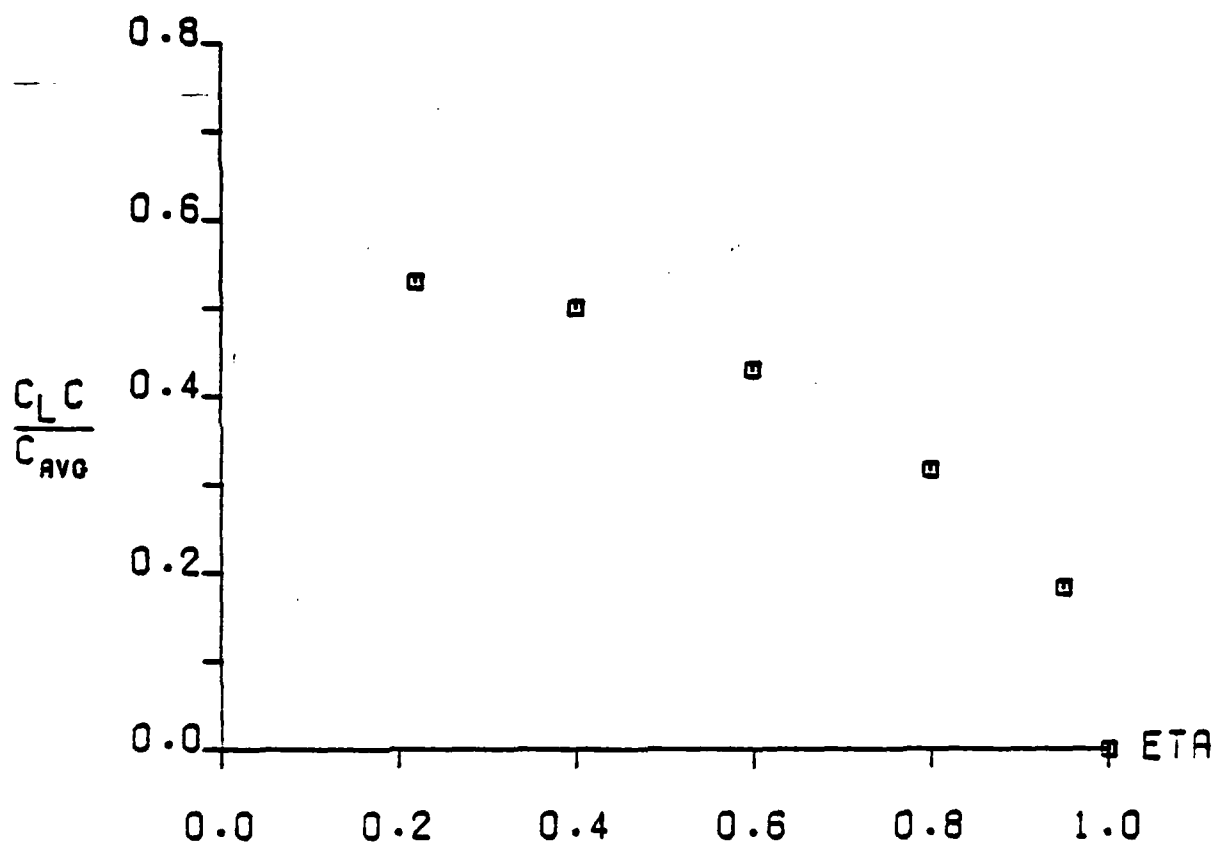
AFOSR-TR-80-0422-VOL-2-APP NL

4 of 8

AD
A085 259

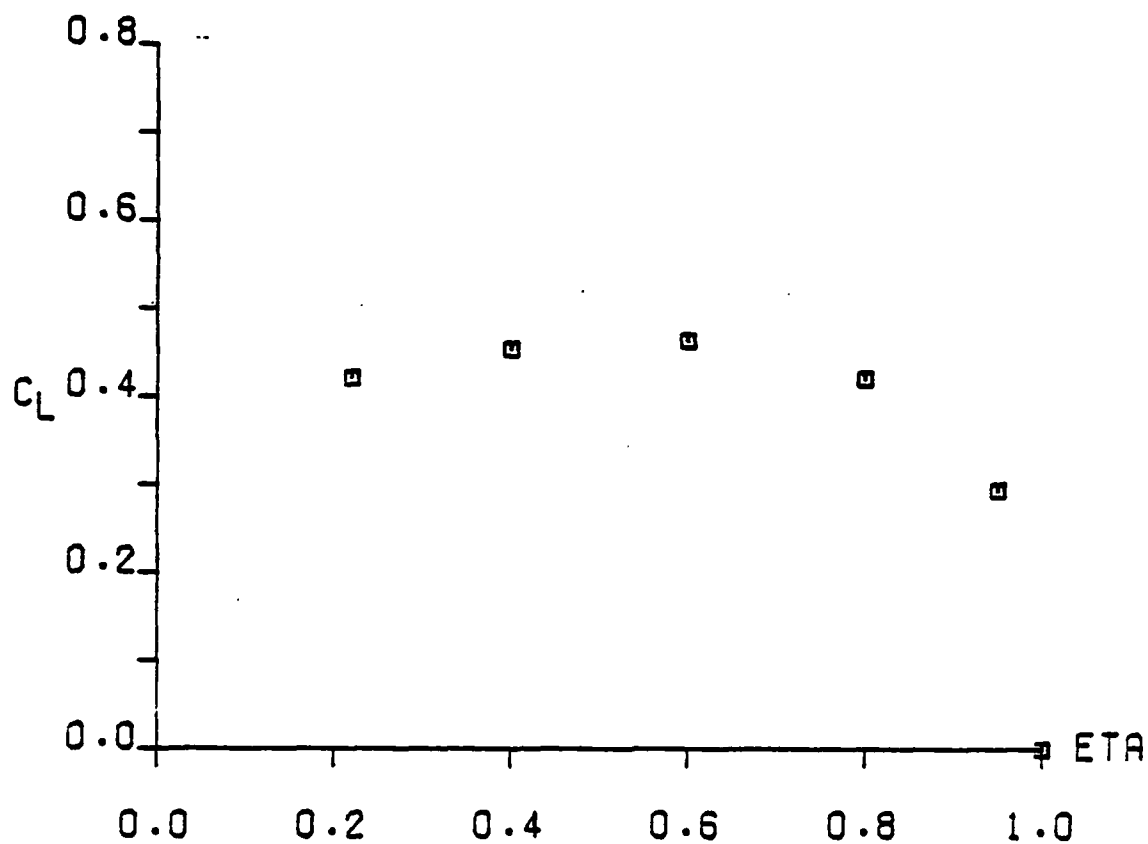


MACH NO = 0.928
ALPHA = 2.957
CLG = 0.414

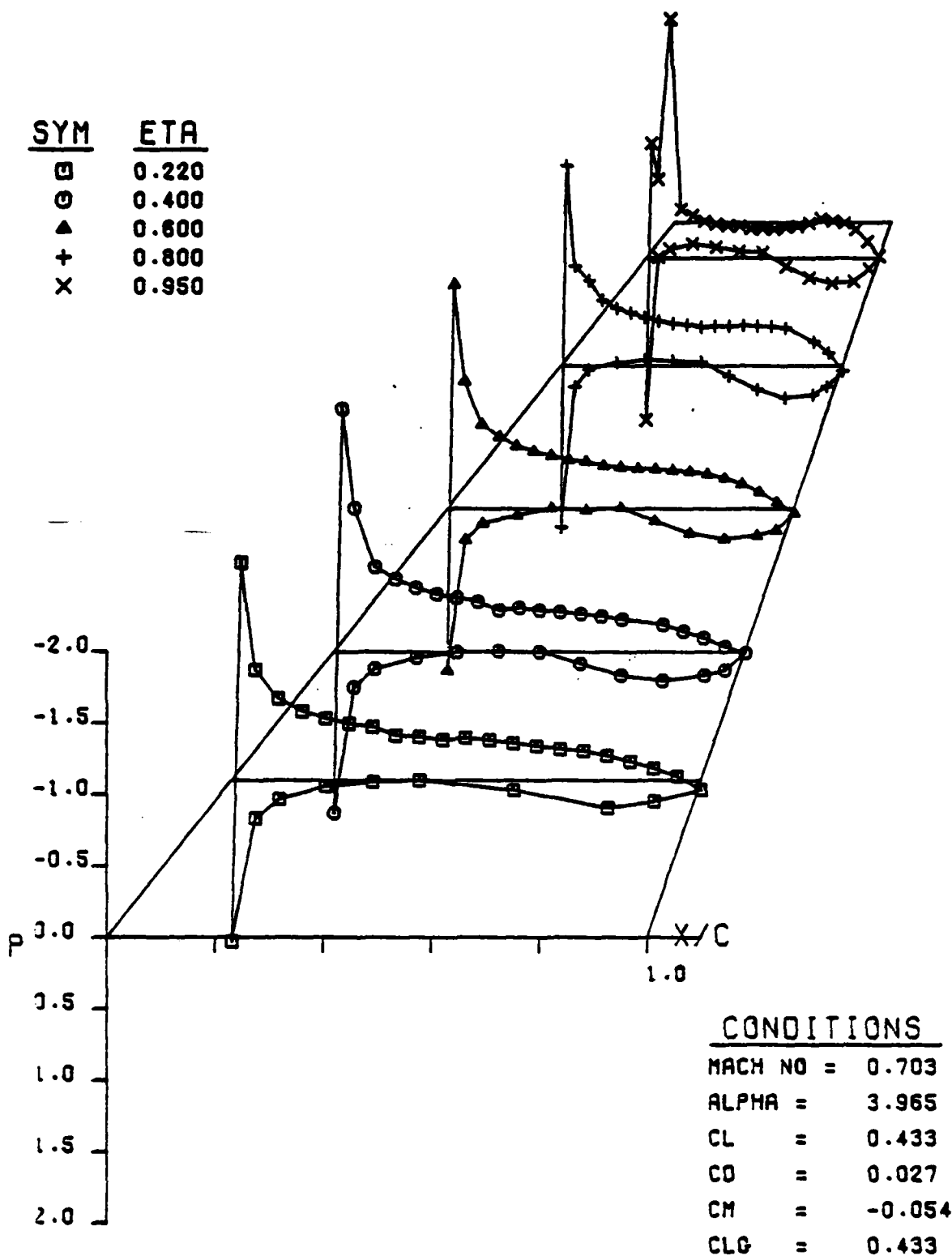


LOCKHEED CFWT SEMI-SPAN TEST, RUN 69
TITLE
AFOSR SEMISPAN MODEL B

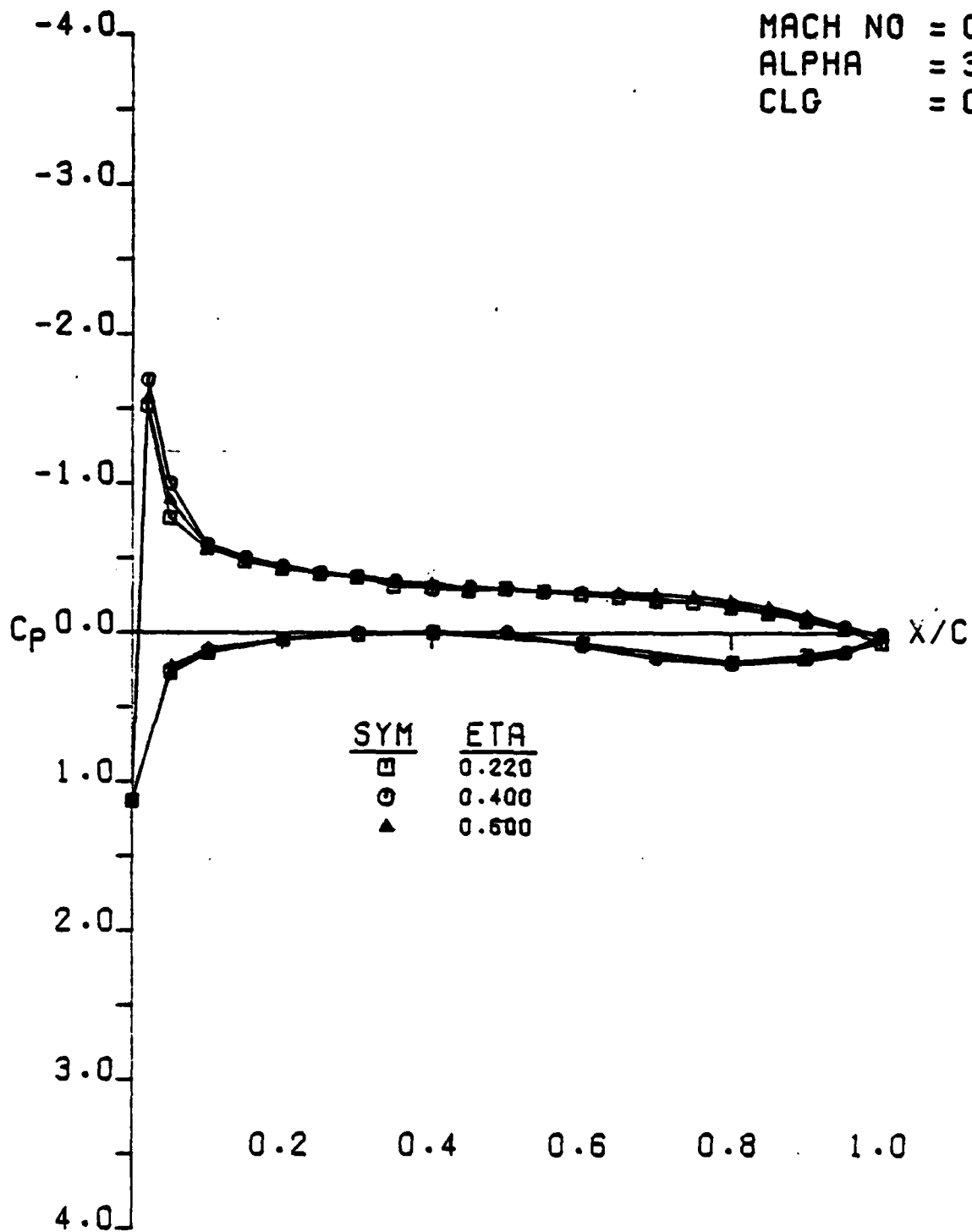
MACH NO = 0.928
ALPHA = 2.957
CLG = 0.414



LOCKHEED CFWT SEMI-SPAN TEST, RUN 69
TITLE
AFOSR SEMISPAN MODEL B

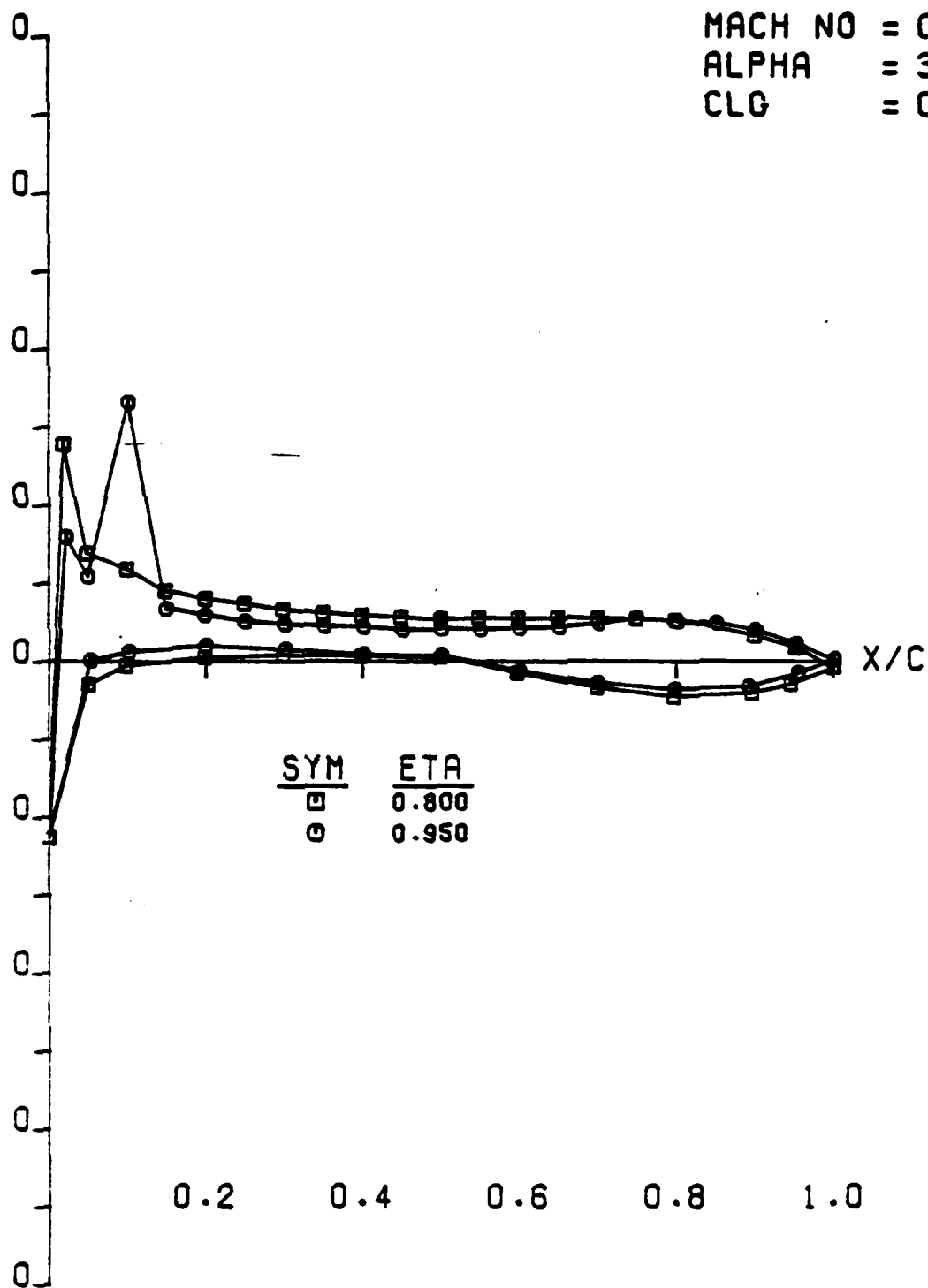


LOCKHEED CFWT SEMI-SPAN TEST, RUN 235
 TITLE
 AFOSR SEMISPAN MODEL B



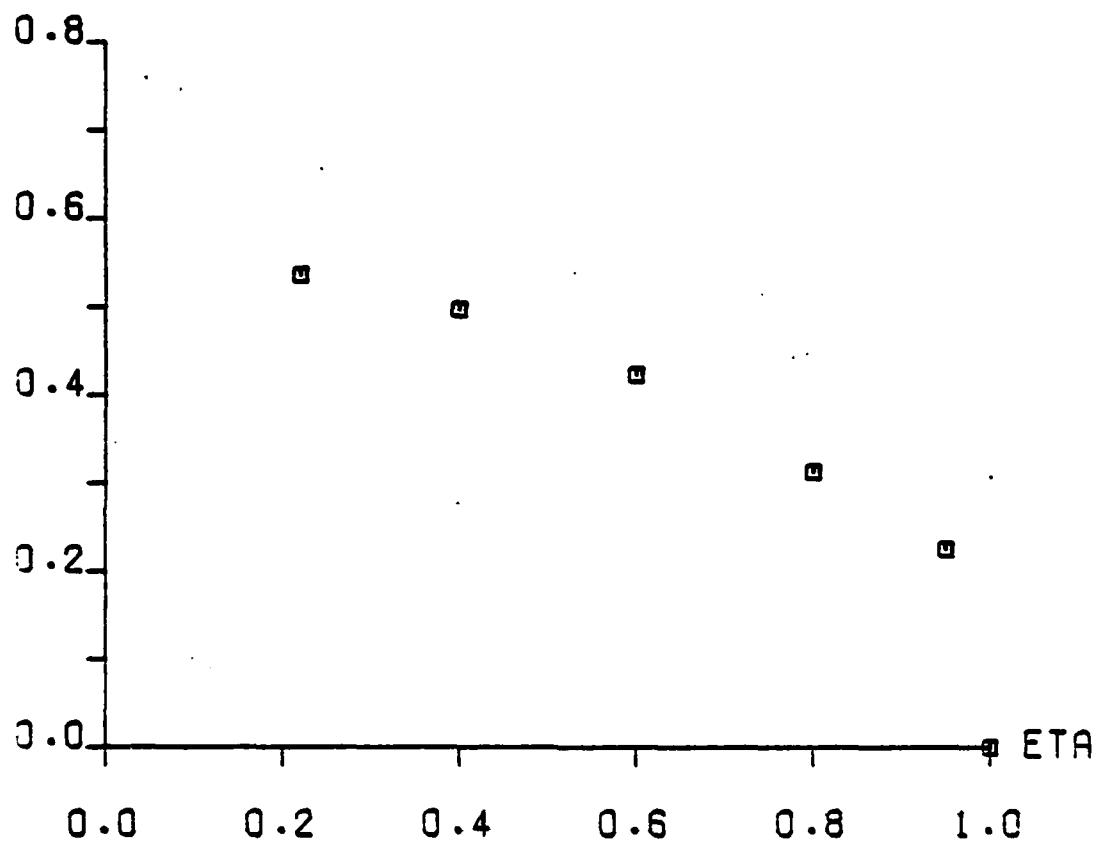
LOCKHEED CFWT SEMI-SPAN TEST, RUN 235
TITLE
AFOSR SEMISPAN MODEL B

MACH NO = 0.703
 ALPHA = 3.965
 CLG = 0.433



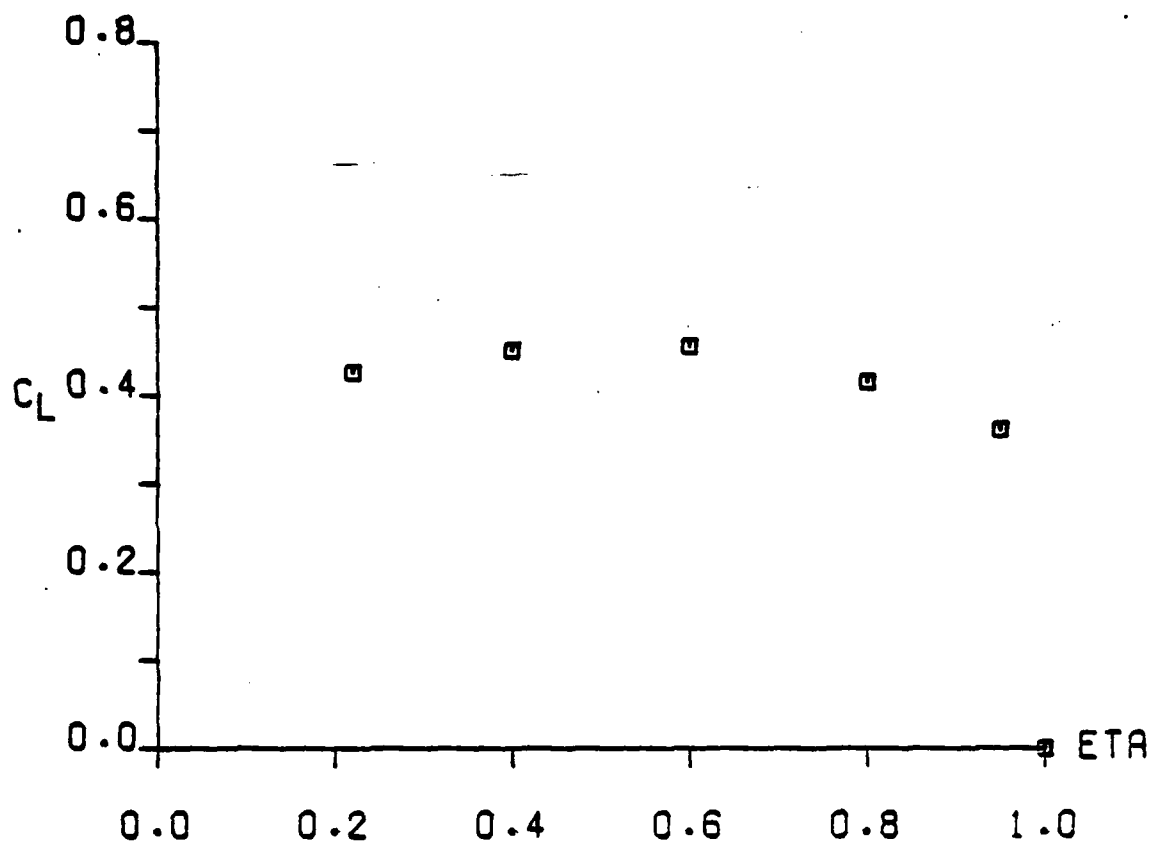
LOCKHEED CFWT SEMI-SPAN TEST, RUN 235
 TITLE
 AFOSR SEMISPAN MODEL B

MACH NO = 0.703
ALPHA = 3.965
CLG = 0.433

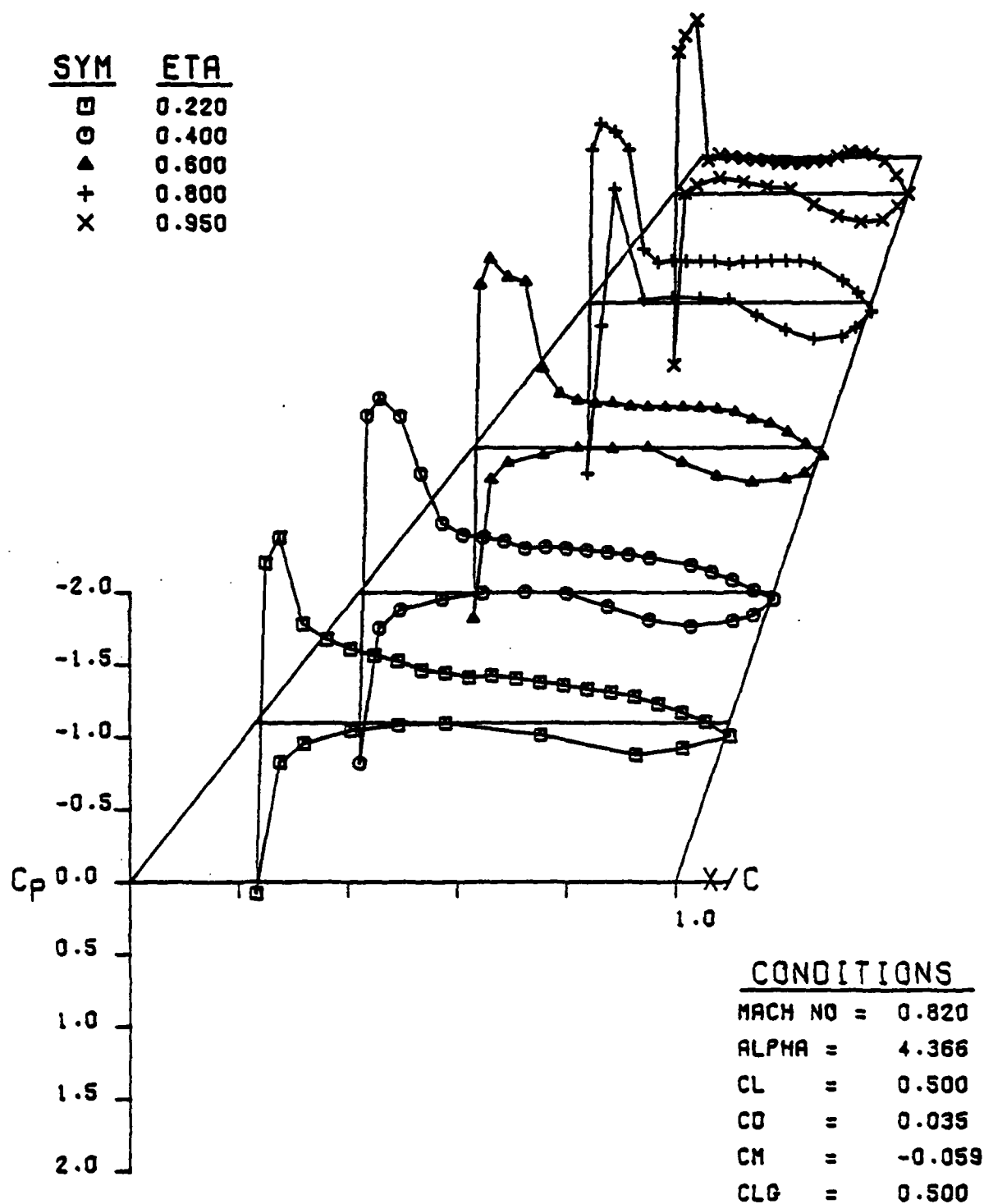


LOCKHEED CFWT SEMI-SPAN TEST, RUN 235
TITLE
AFOSR SEMISPAN MODEL B

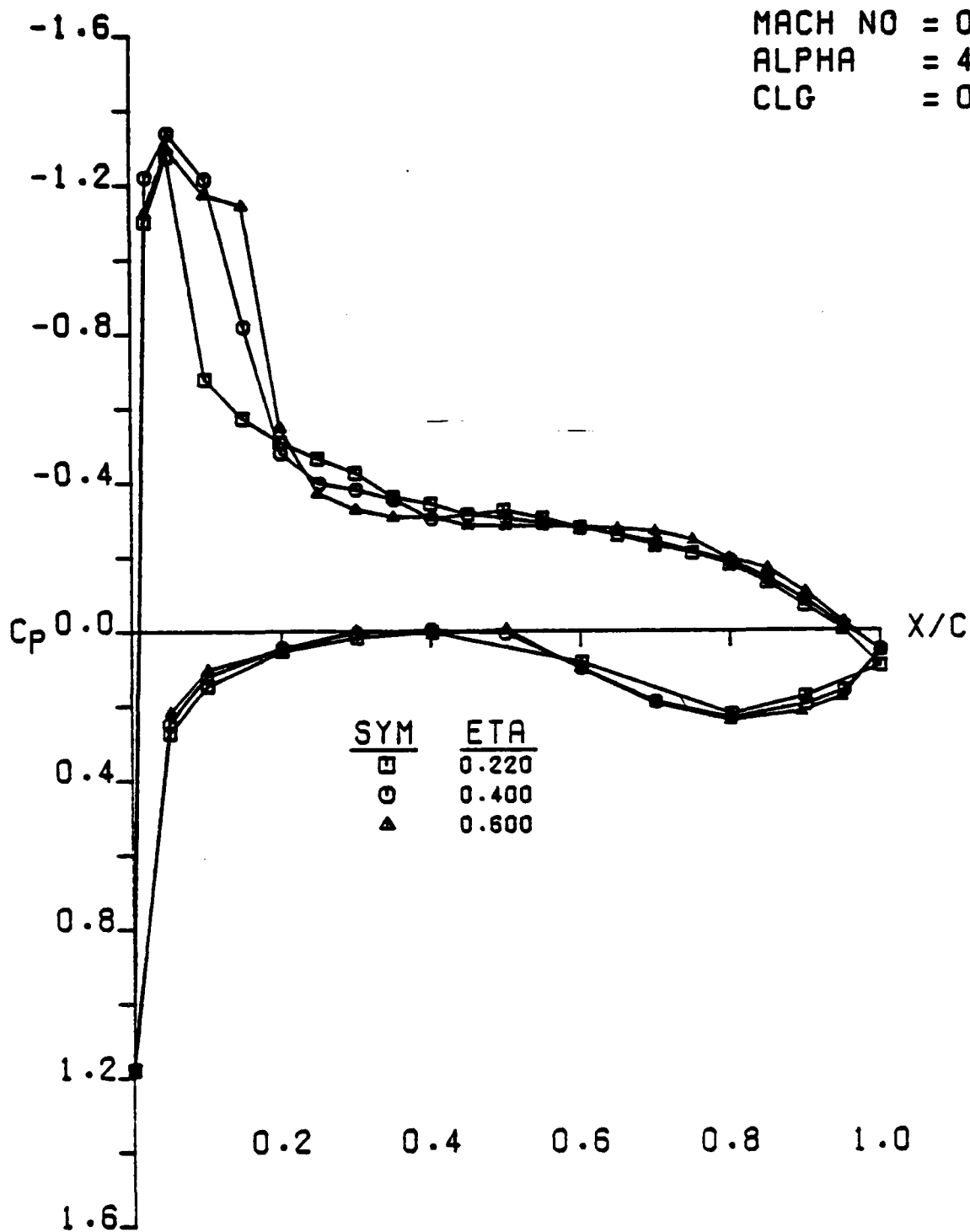
MACH NO = 0.703
ALPHA = 3.965
CLG = 0.433



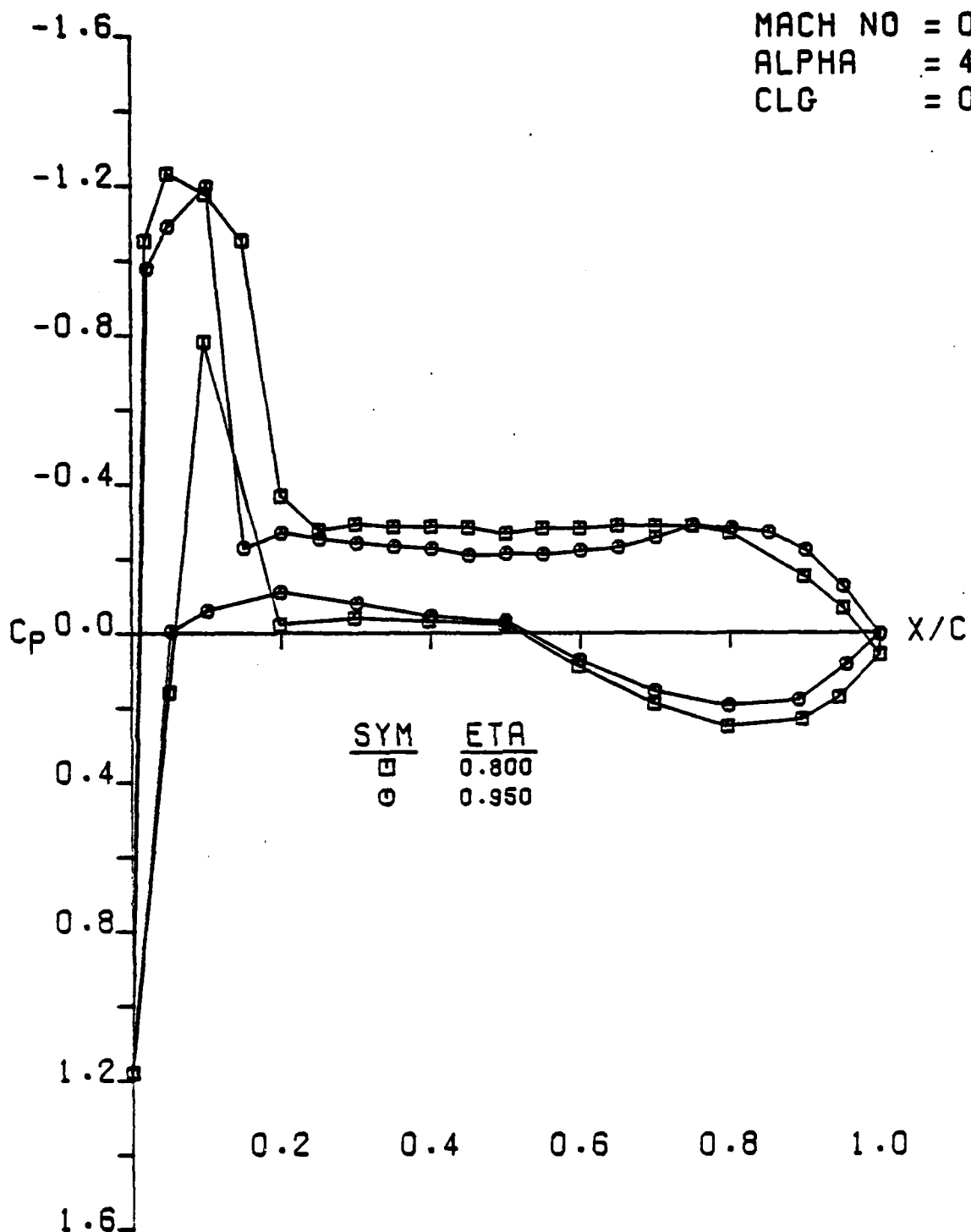
LOCKHEED CFWT SEMI-SPAN TEST, RUN 235
TITLE
AFOSR SEMISPAN MODEL B



LOCKHEED CFWT SEMI-SPAN TEST, RUN 192
 TITLE
 AFOSR SEMISPAN MODEL B

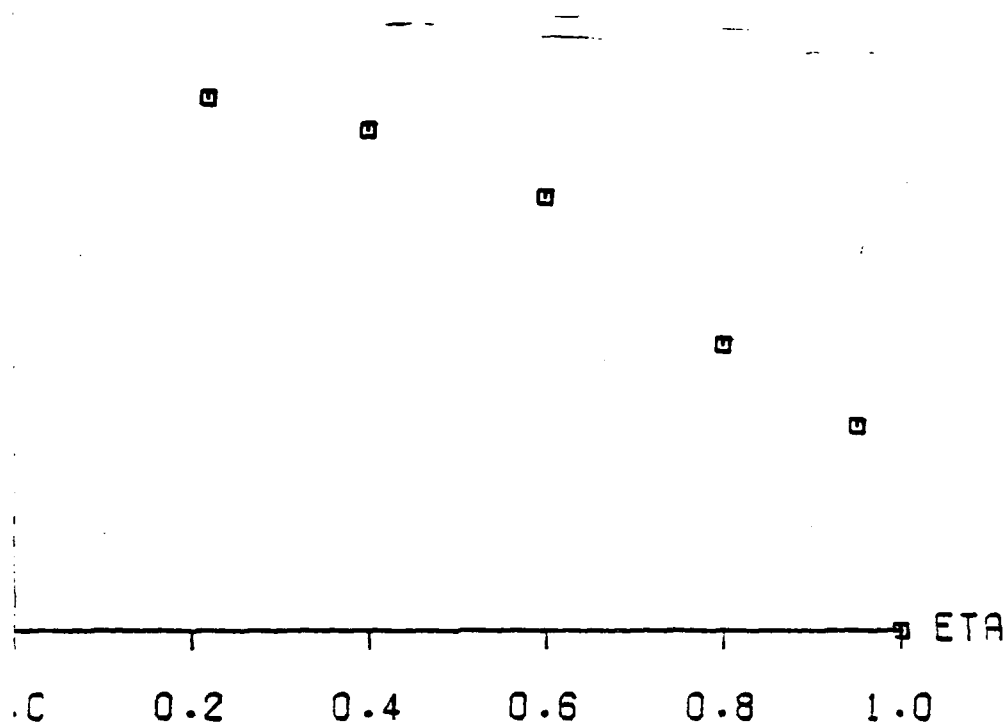


LOCKHEED CFWT SEMI-SPAN TEST, RUN 192
TITLE
AFOSR SEMISPAN MODEL B



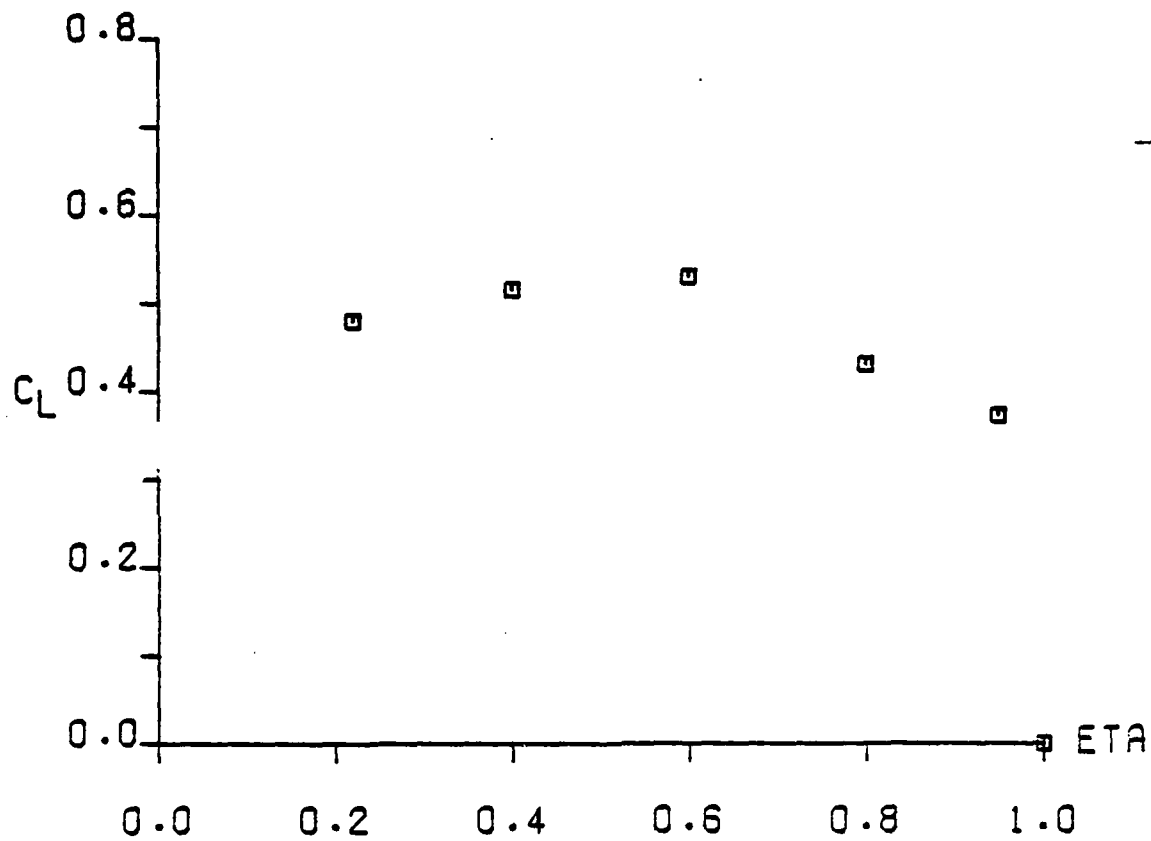
LOCKHEED CFWT SEMI-SPAN TEST, RUN 192
TITLE
AFOSR SEMISPAN MODEL B

MACH NO = 0.820
ALPHA = 4.366
CLG = 0.500

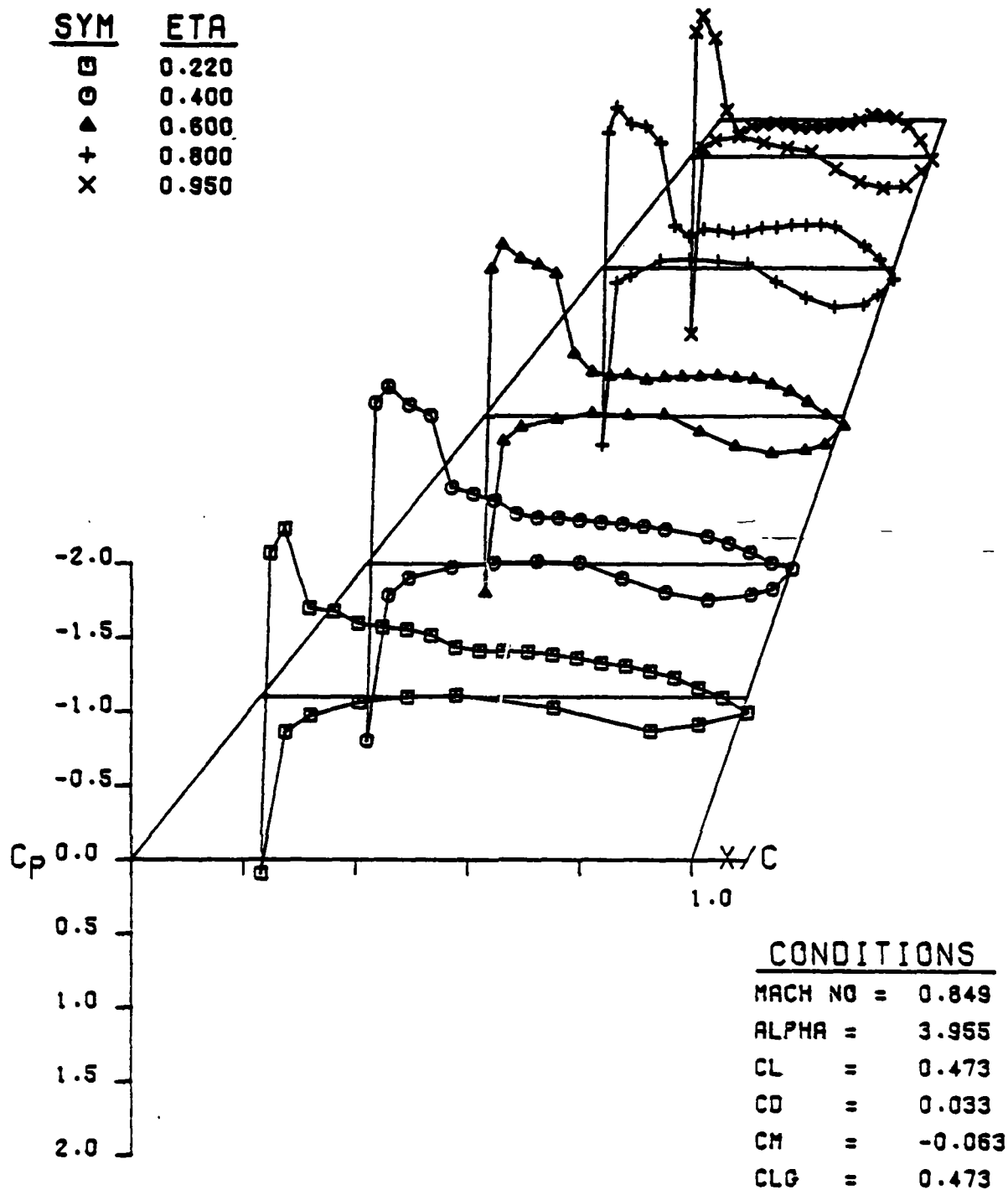


LOCKHEED CFWT SEMI-SPAN TEST, RUN 192
TITLE
AFOSR SEMISPAN MODEL B

MACH NO = 0.820
ALPHA = 4.366
CLG = 0.500

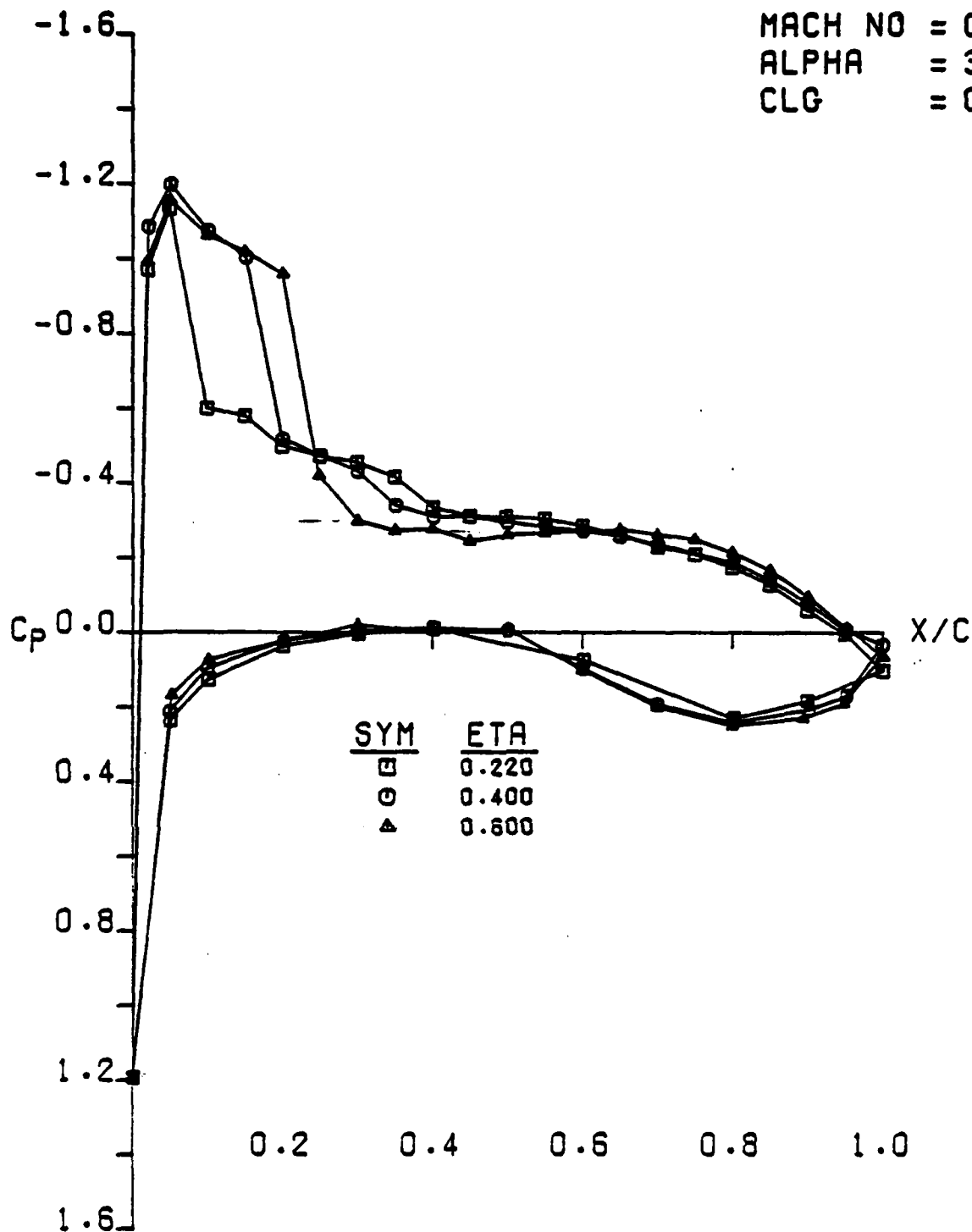


LOCKHEED CFWT SEMI-SPAN TEST, RUN 192
TITLE
AFOSR SEMISPAN MODEL B



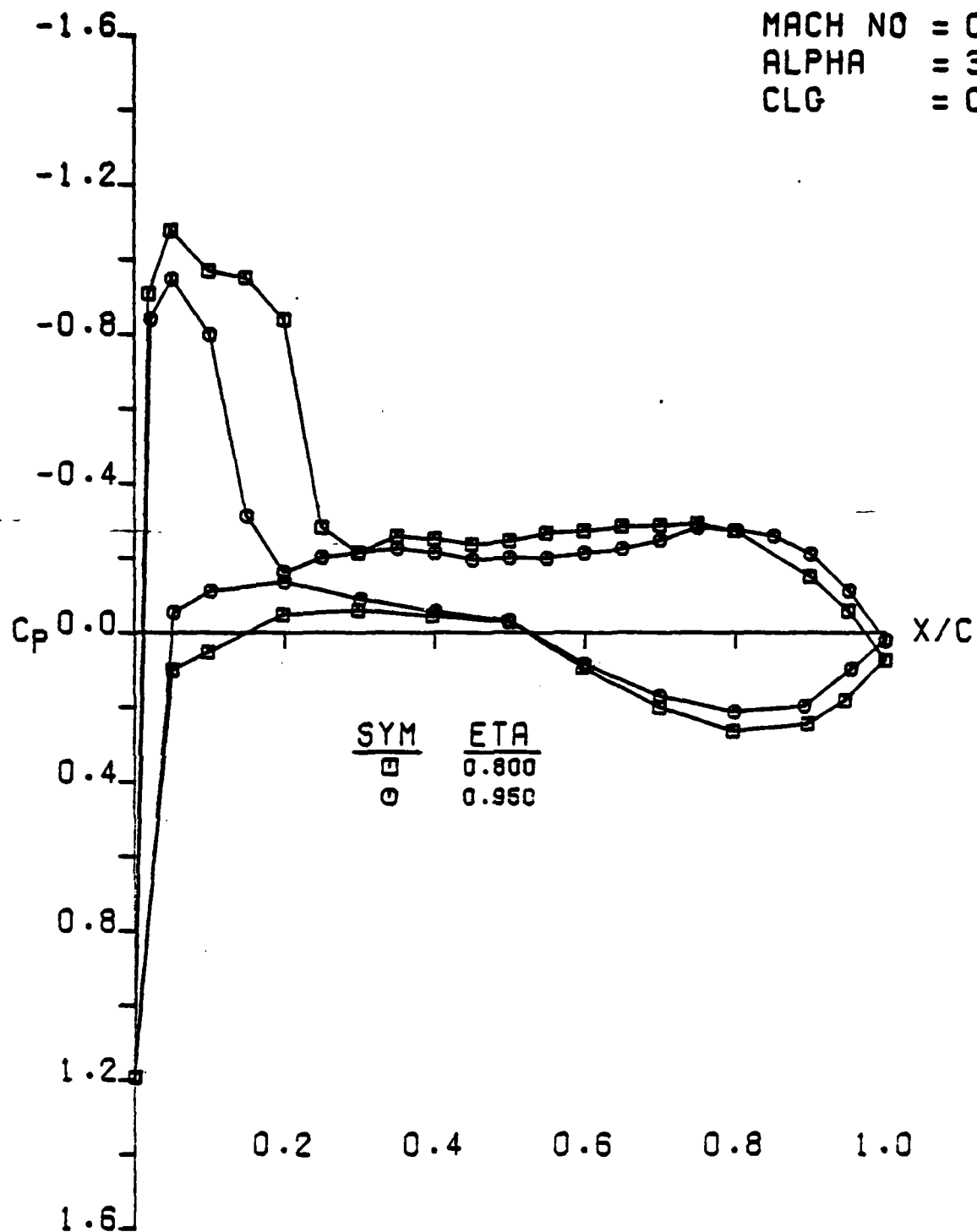
LOCKHEED CFWT SEMI-SPAN TEST, RUN 16
 TITLE
 AFOSR SEMISPAN MODEL 8

MACH NO = 0.849
 ALPHA = 3.955
 CLG = 0.473



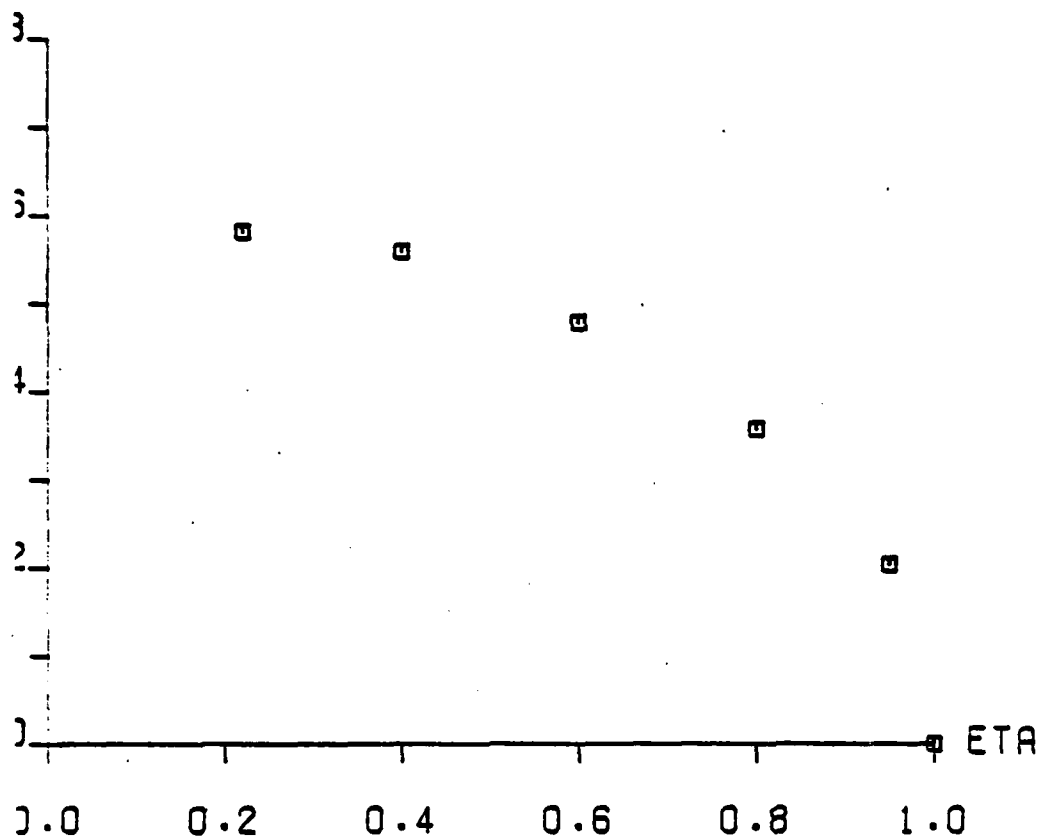
LOCKHEED CFWT SEMI-SPAN TEST. RUN 16
 TITLE
 AFOSR SEMISPAN MODEL B

MACH NO = 0.849
 ALPHA = 3.955
 CLG = 0.473



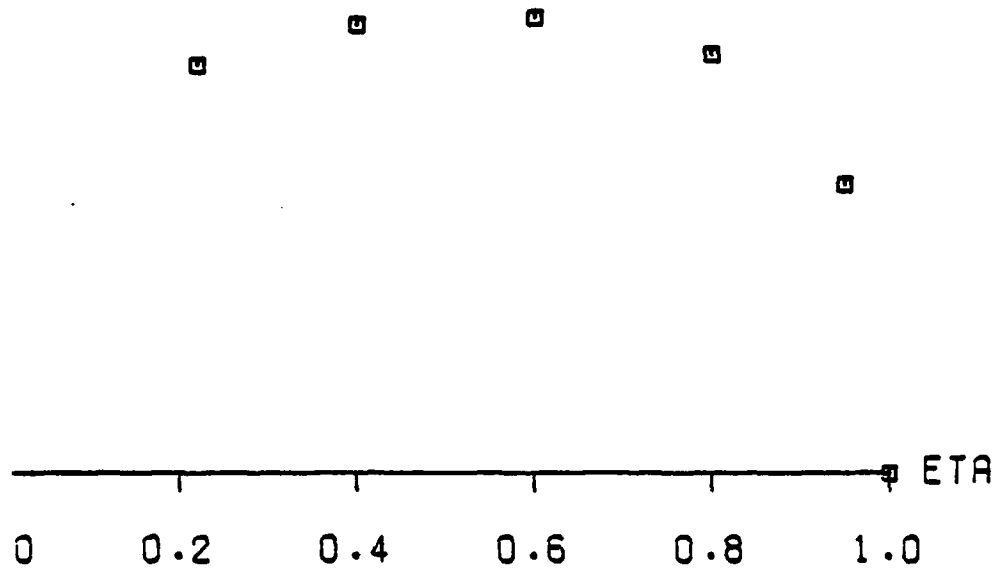
LOCKHEED CFWT SEMI-SPAN TEST, RUN 16
 TITLE
 AFOSR SEMISPAN MODEL B

MACH NO = 0.849
ALPHA = 3.955
CLG = 0.473

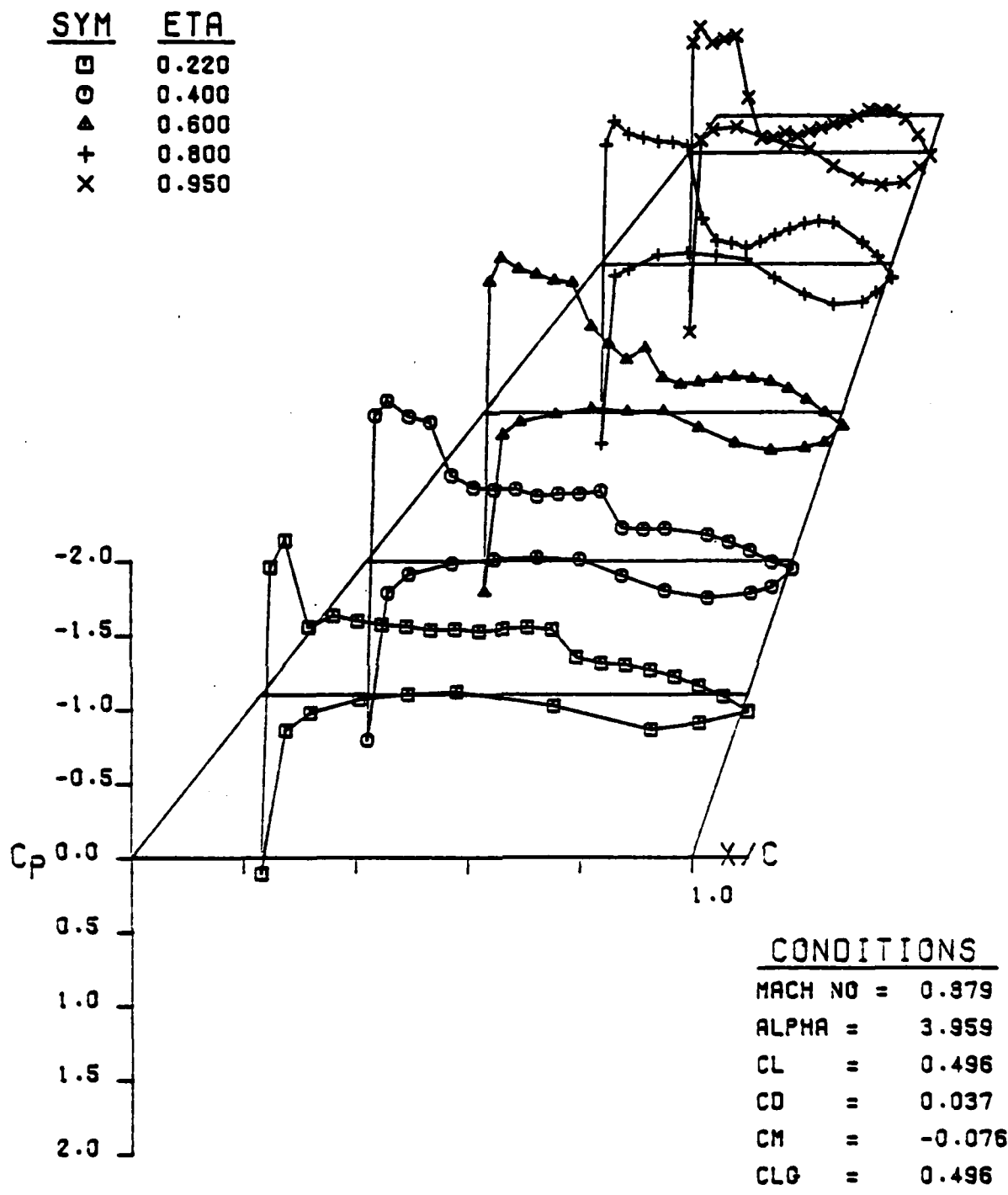


LOCKHEED CFWT SEMI-SPAN TEST, RUN 16
TITLE
AFOSR SEMISPAN MODEL B

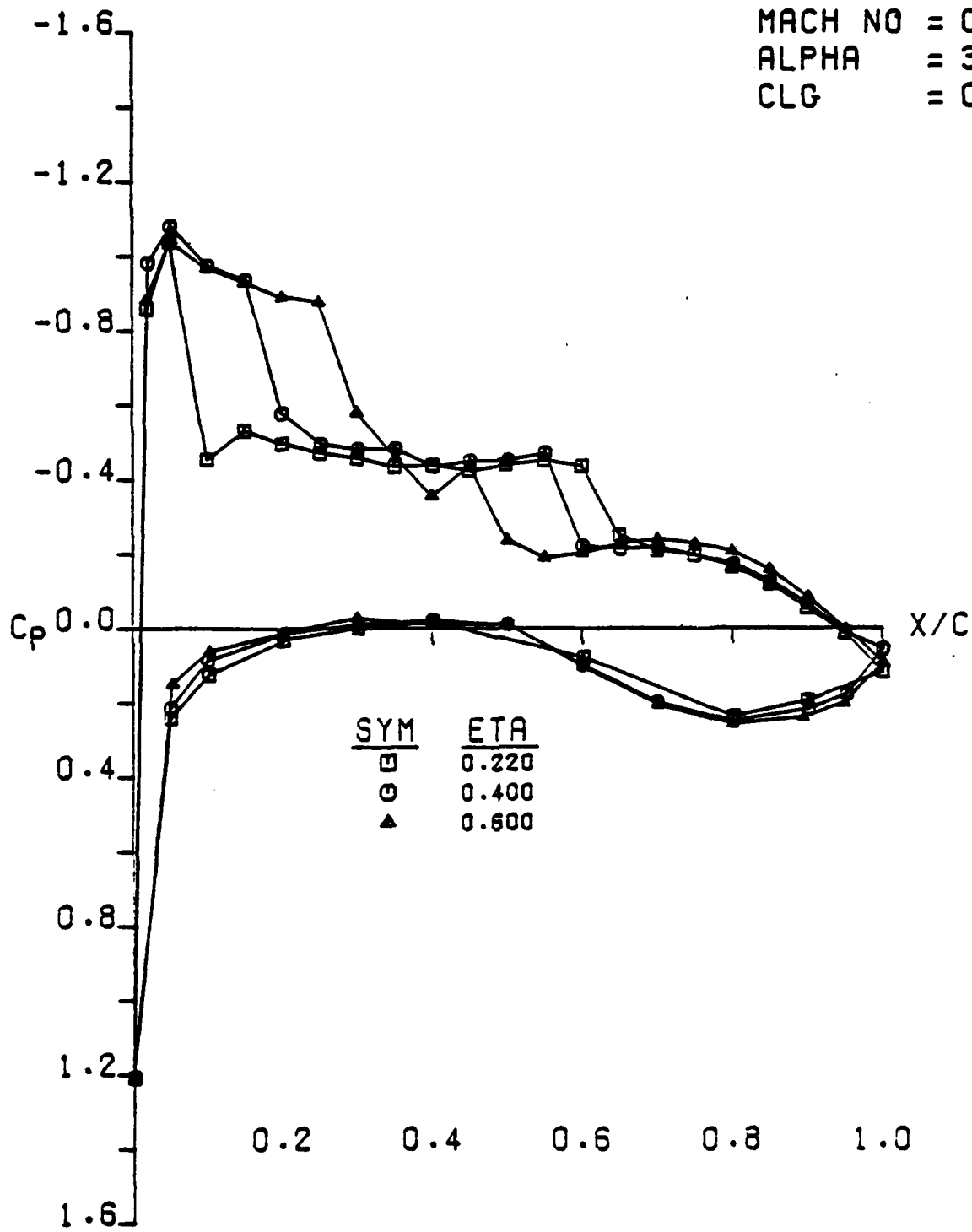
MACH NO = 0.849
ALPHA = 3.955
CLG = 0.473



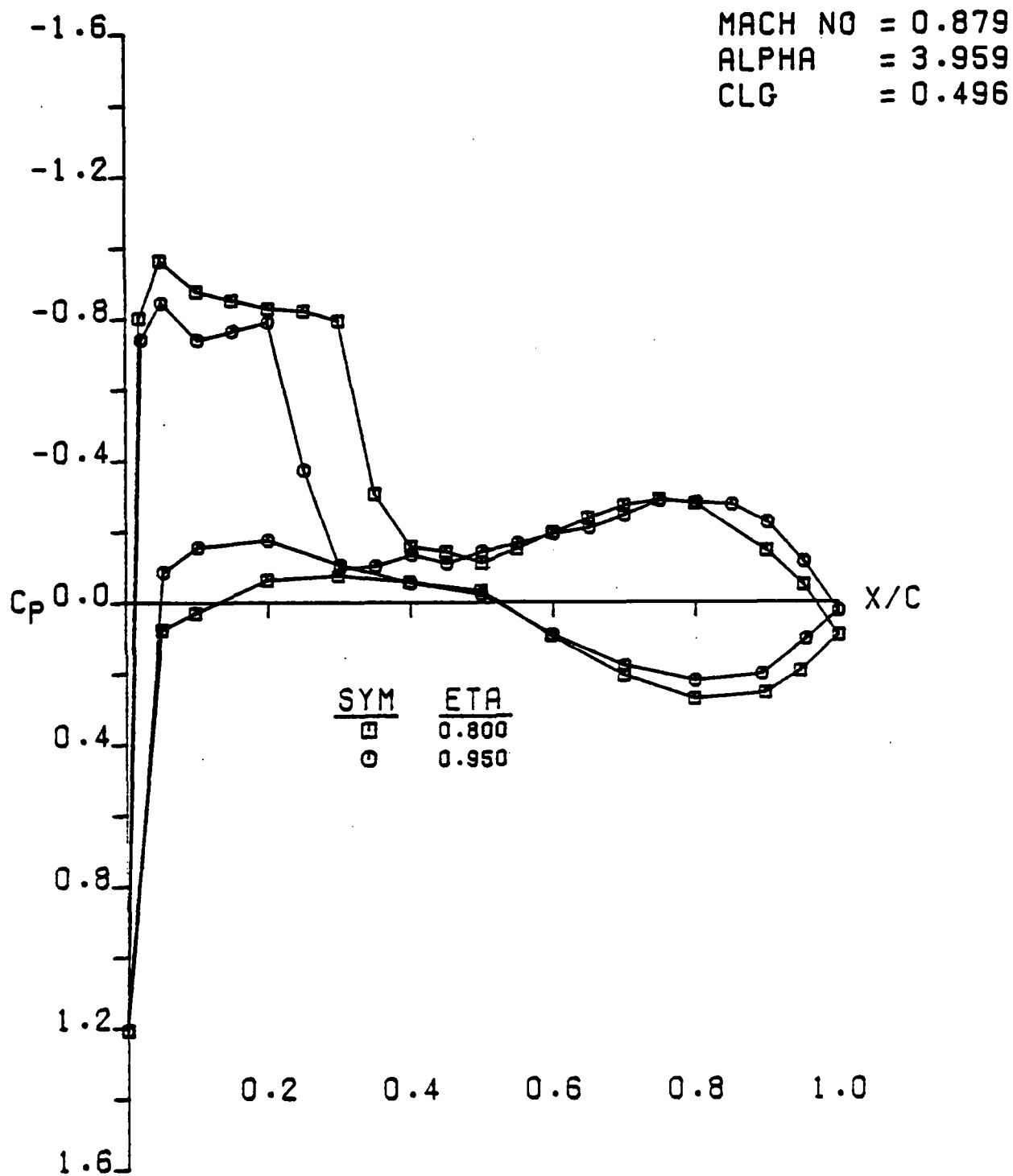
LOCKHEED CFWT SEMI-SPAN TEST, RUN 16
TITLE
AFOSR SEMISPAN MODEL B



LOCKHEED CFWT SEMI-SPAN TEST, RUN 65
 TITLE
 AFOSR SEMISPAN MODEL B

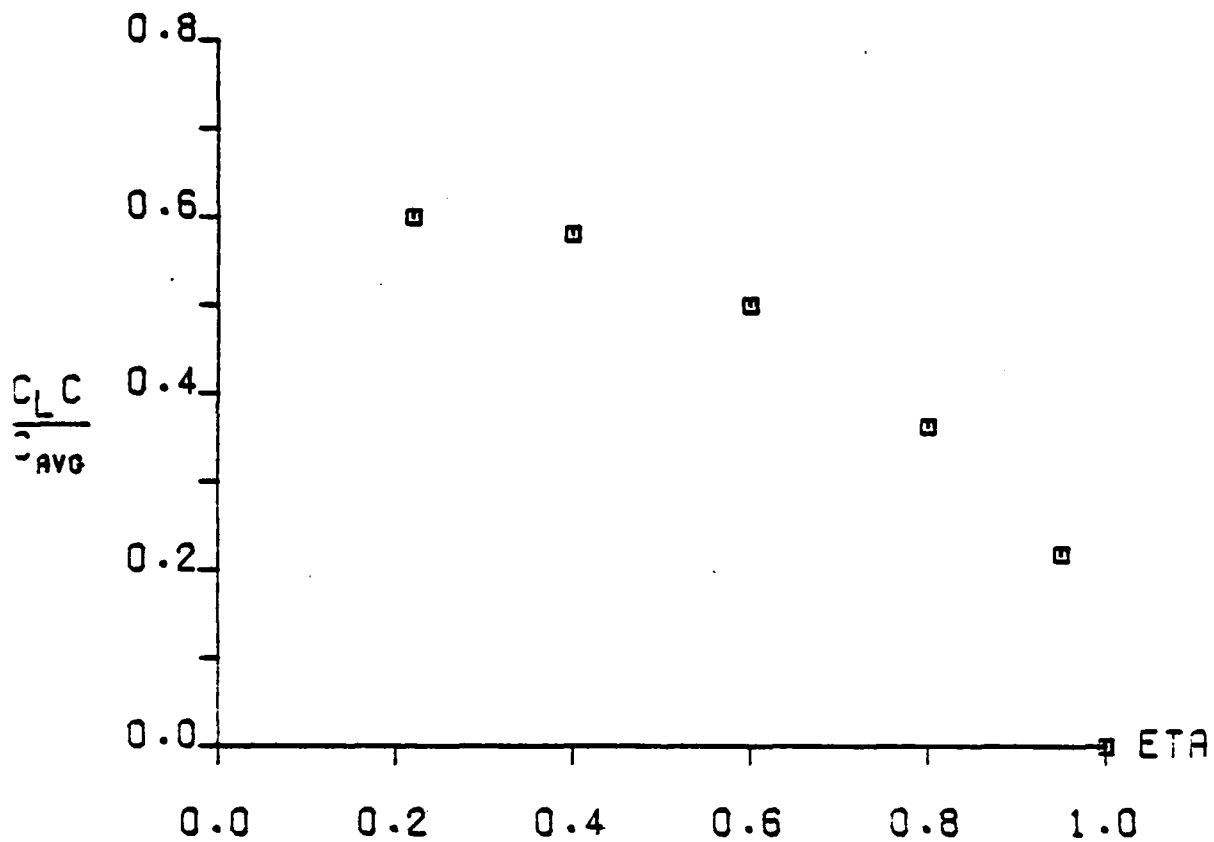


LOCKHEED CFWT SEMI-SPAN TEST, RUN 65
TITLE
AFOSR SEMISPAN MODEL B



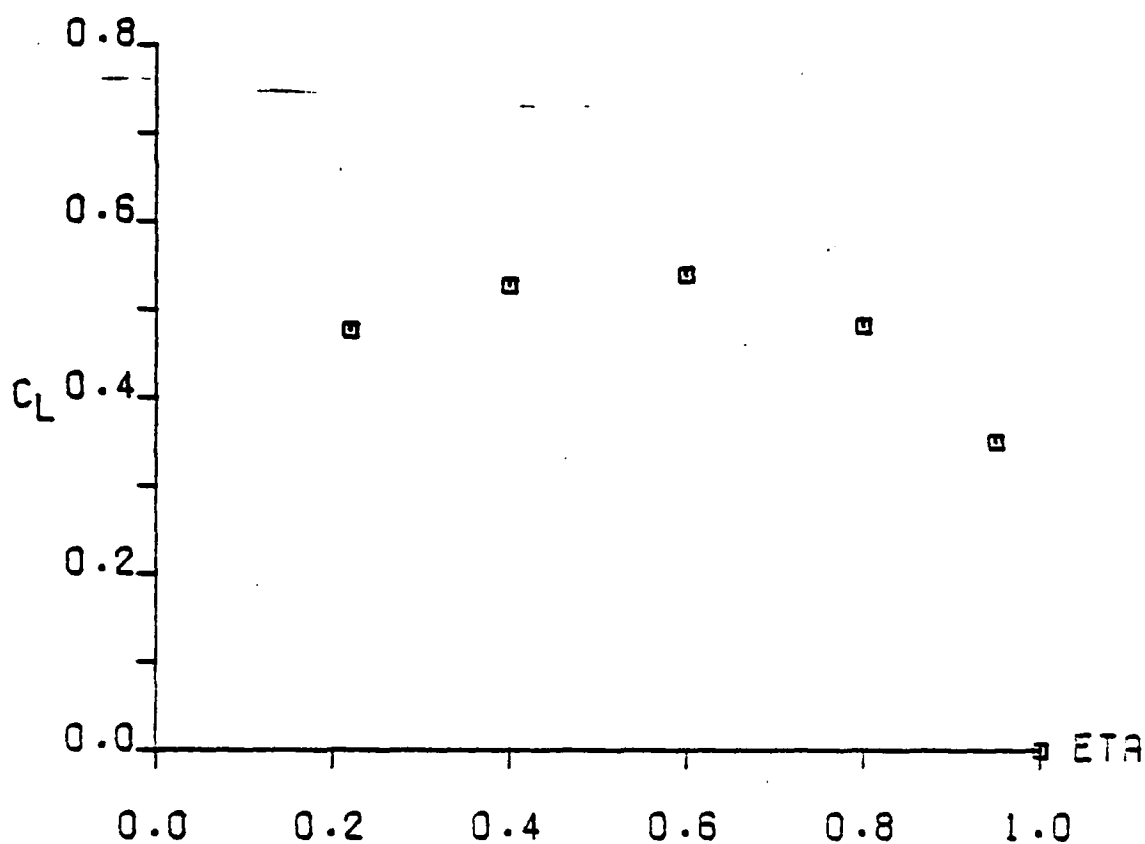
LOCKHEED CFWT SEMI-SPAN TEST, RUN 65
TITLE
AFOSR SEMISPAN MODEL B

MACH NO = 0.879
ALPHA = 3.959
CLG = 0.496



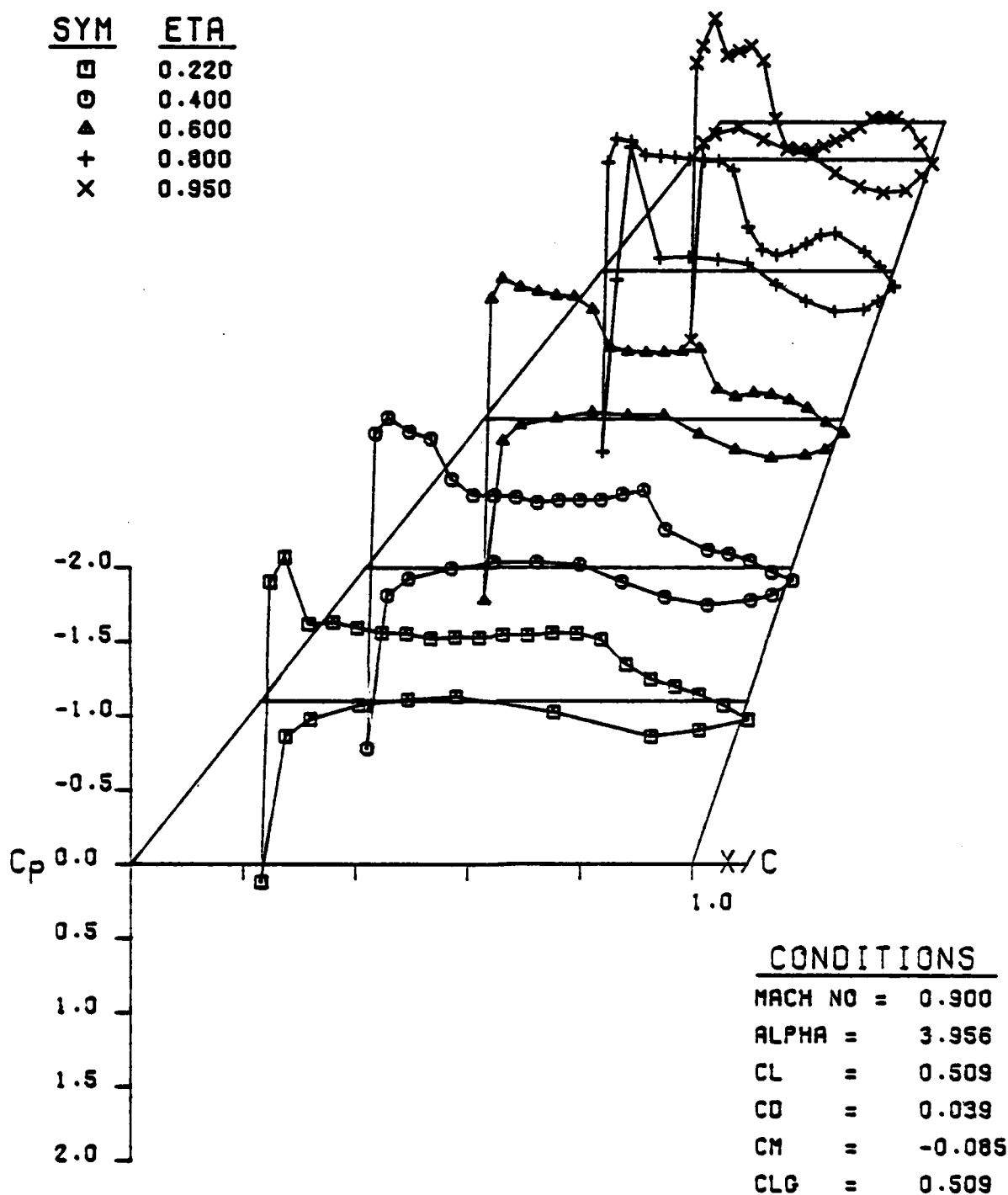
LOCKHEED CFWT SEMI-SPAN TEST, RUN 65
TITLE
AFOSR SEMISPAN MODEL B

MACH NO = 0.879
ALPHA = 3.959
CLG = 0.496

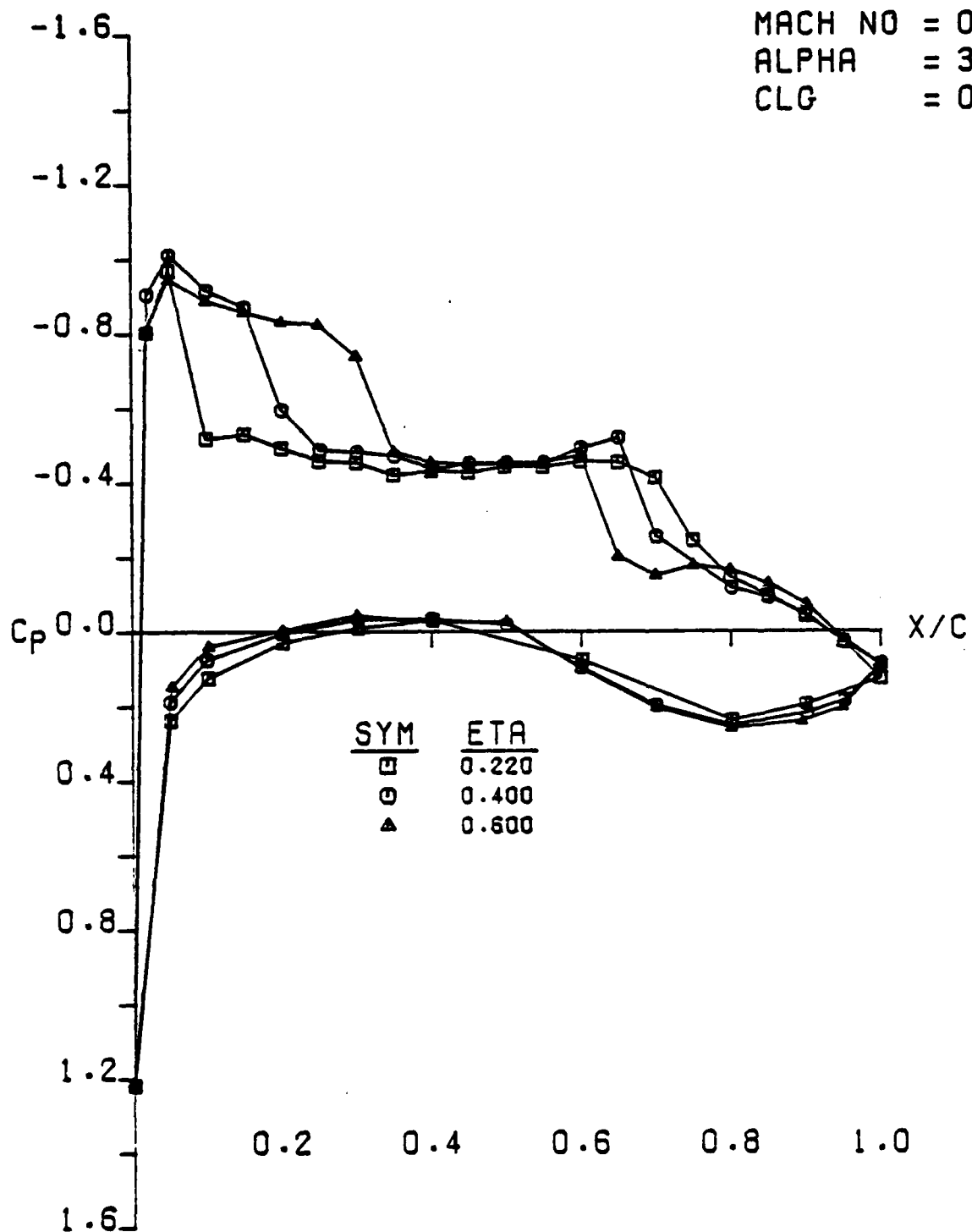


LOCKHEED CFWT SEMI-SPAN TEST, RUN 65
TITLE
AFOSR SEMISPAN MODEL B

<u>SYM</u>	<u>ETA</u>
□	0.220
○	0.400
▲	0.600
+	0.800
x	0.950



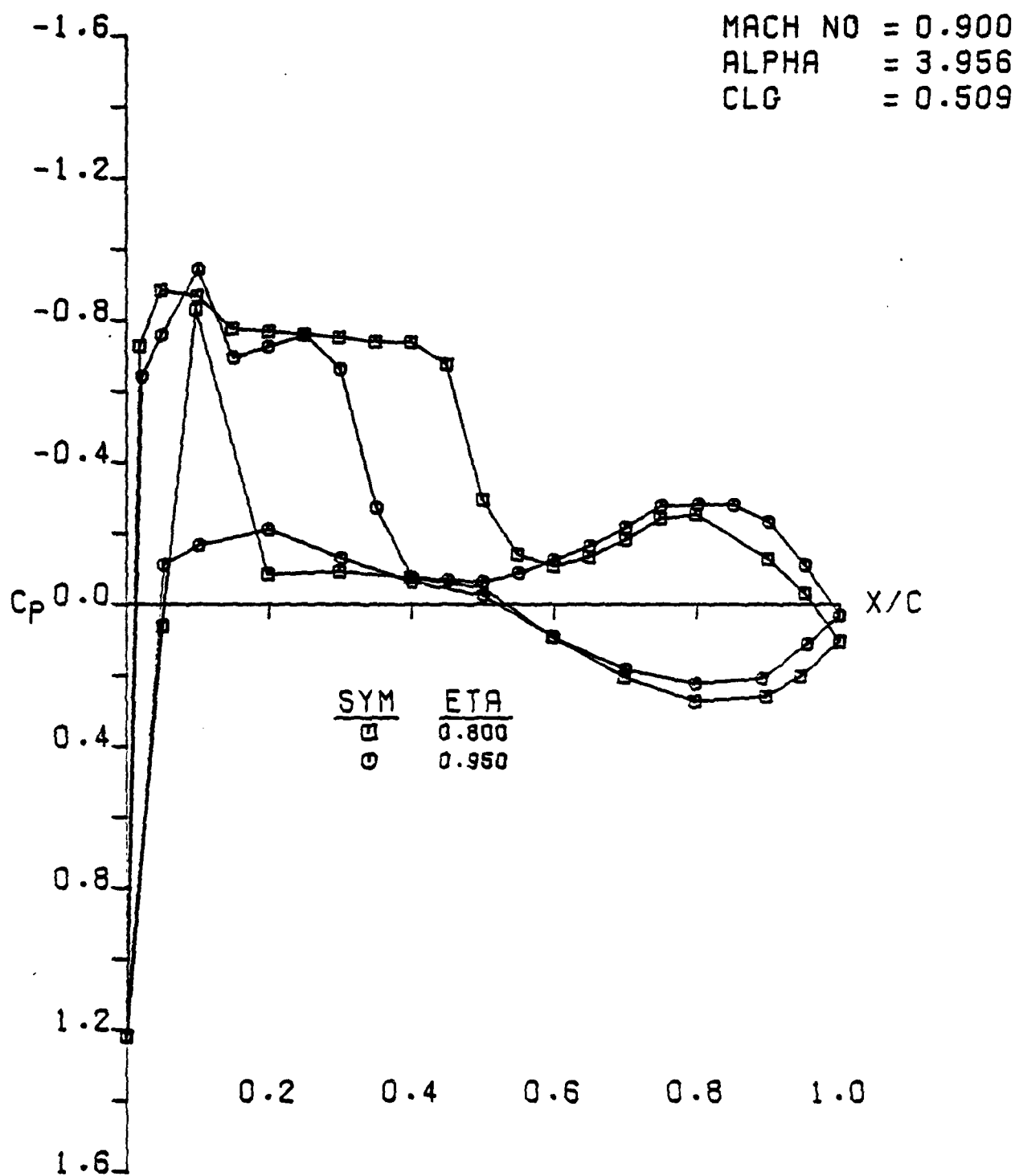
LOCKHEED CFWT SEMI-SPAN TEST, RUN 187
 TITLE
 AFOSR SEMISPAN MODEL B



LOCKHEED CFWT SEMI-SPAN TEST, RUN 187

TITLE

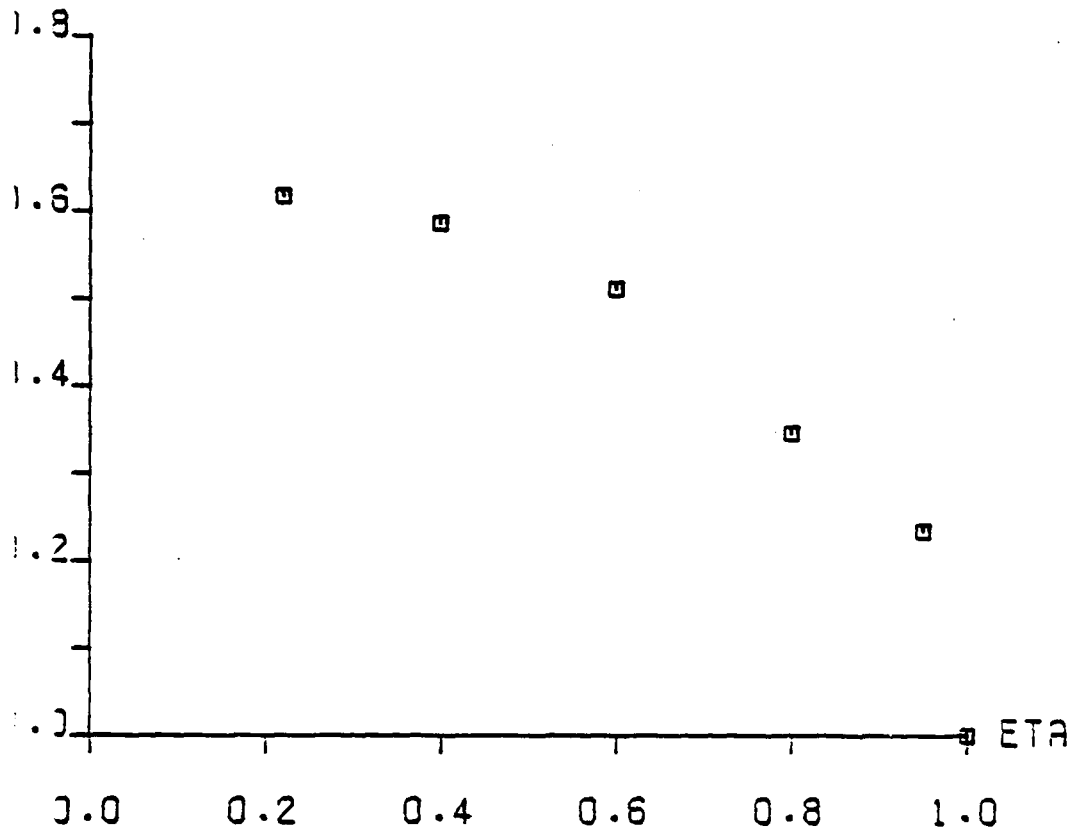
AFOSR SEMISPAN MODEL B



LOCKHEED CFWT SEMI-SPAN TEST, RUN 187
TITLE

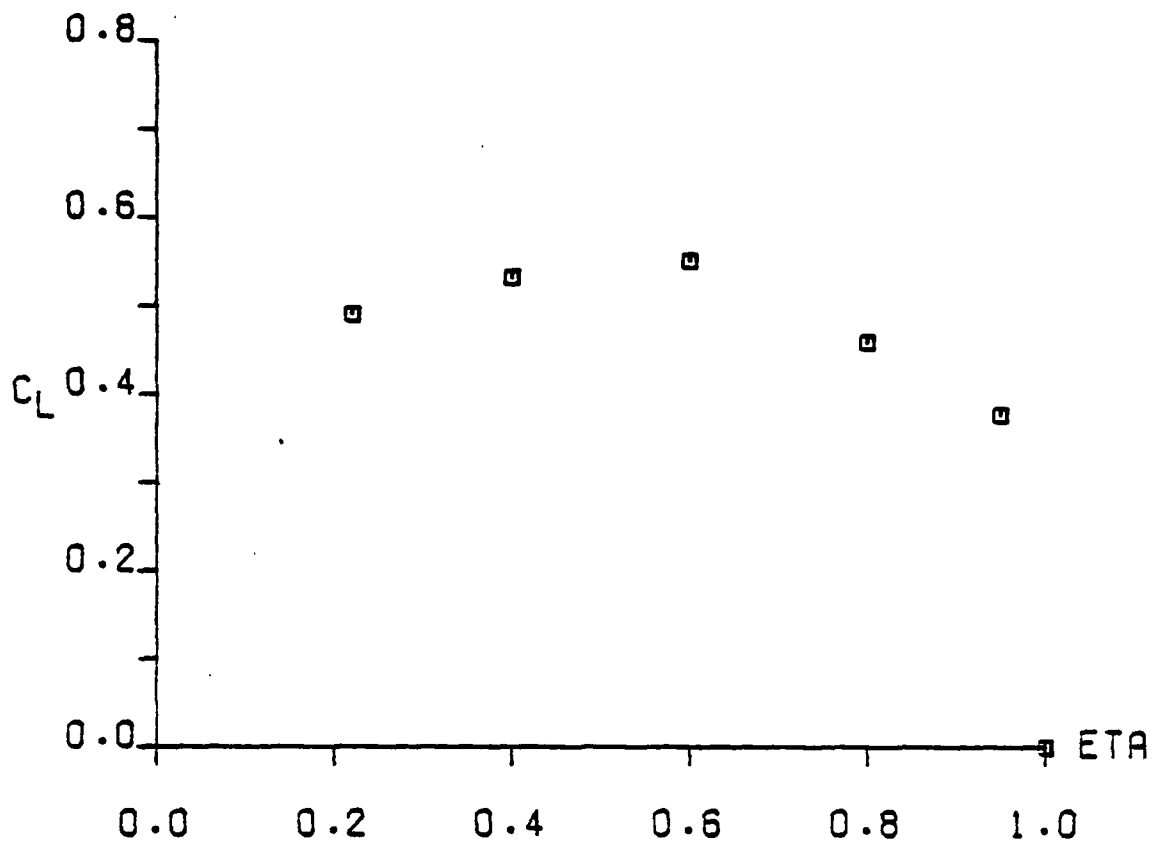
AFOSR SEMISPAN MODEL B

MACH NO = 0.900
ALPHA = 3.956
CLG = 0.509

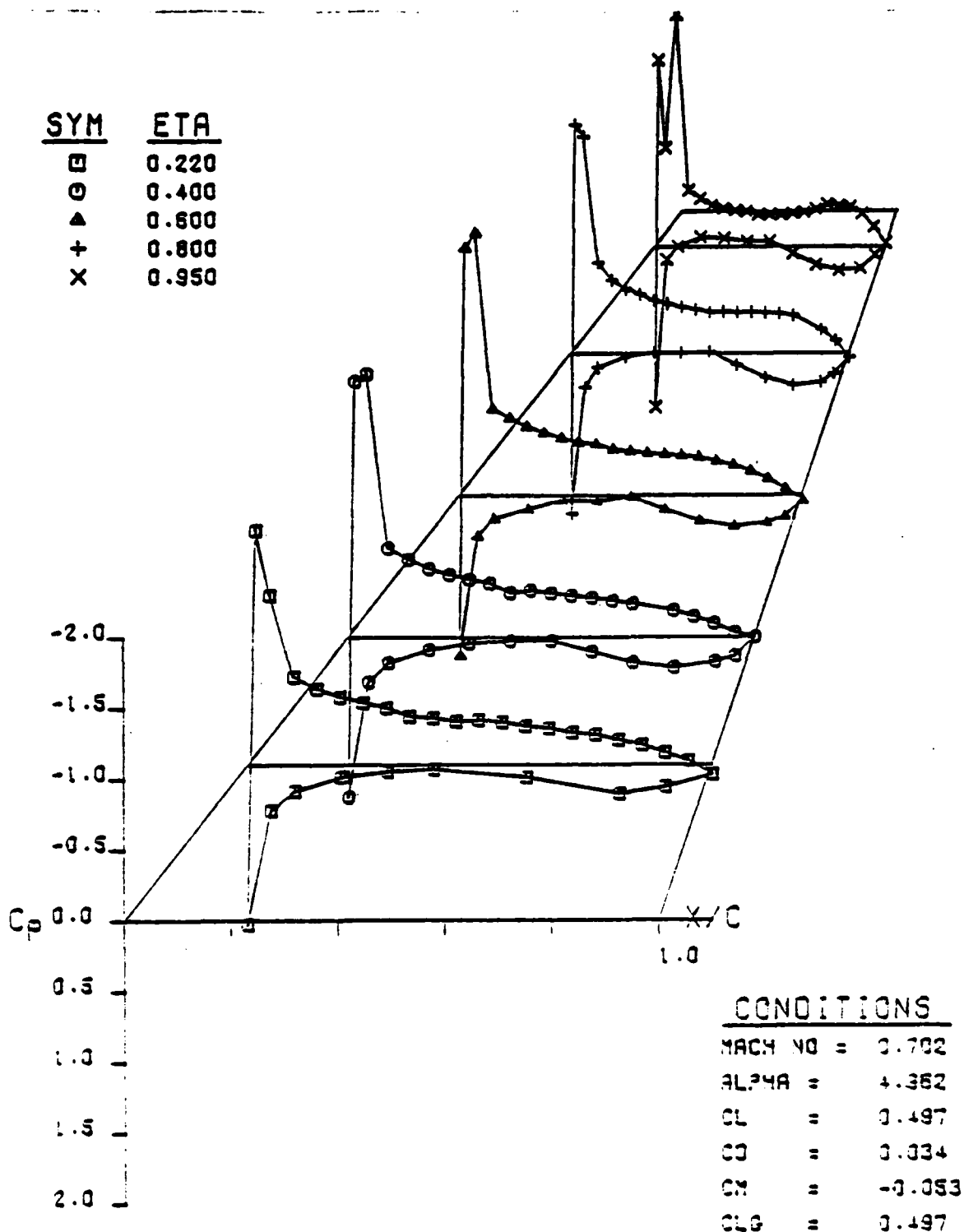


LOCKHEED CFWT SEMI-SPAN TEST, RUN 187
TITLE
AFOSR SEMISPAN MODEL B

MACH NO = 0.900
ALPHA = 3.956
CLG = 0.509

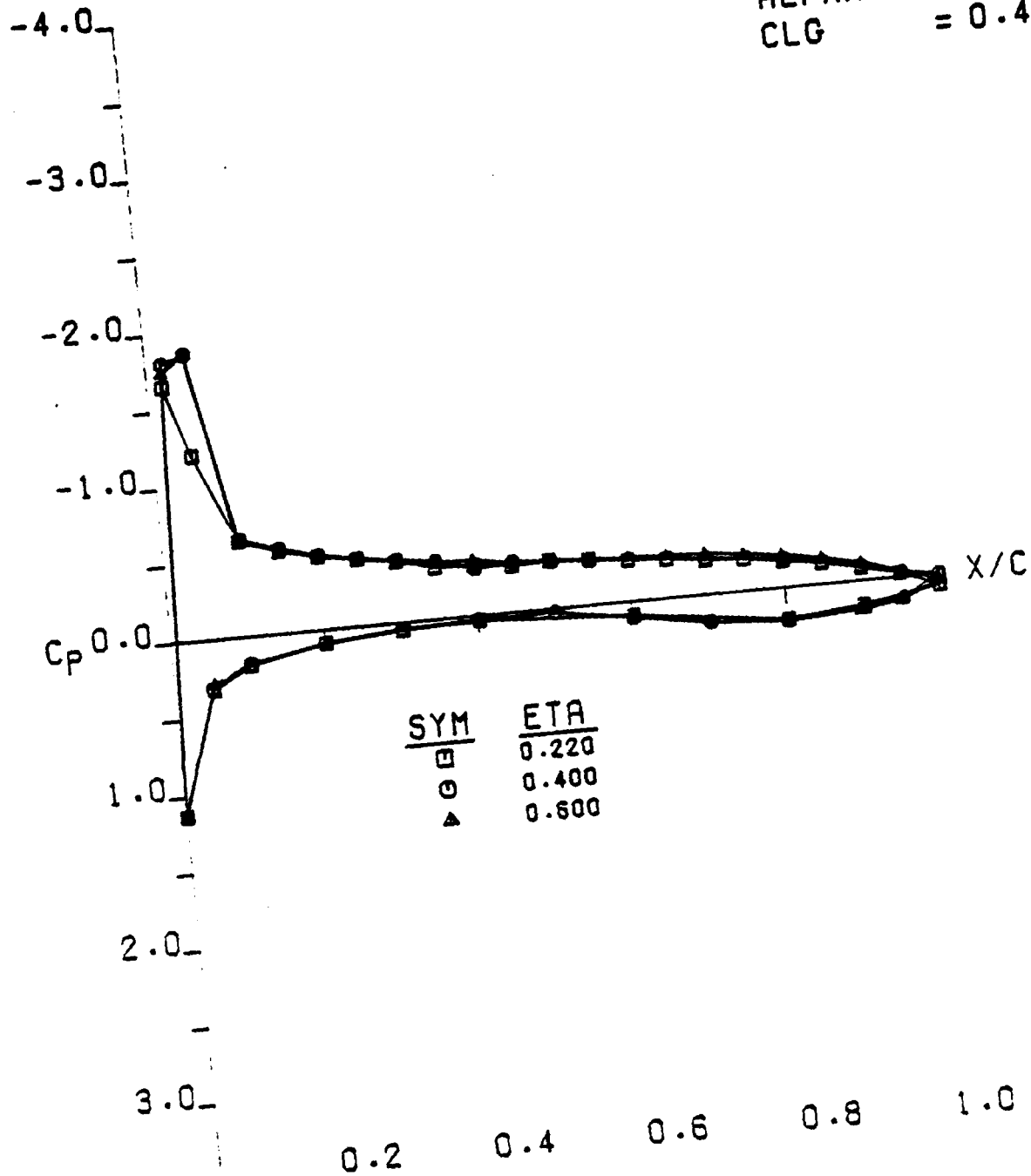


LOCKHEED CFWT SEMI-SPAN TEST, RUN 187
TITLE
AFOSR SEMISPAN MODEL B

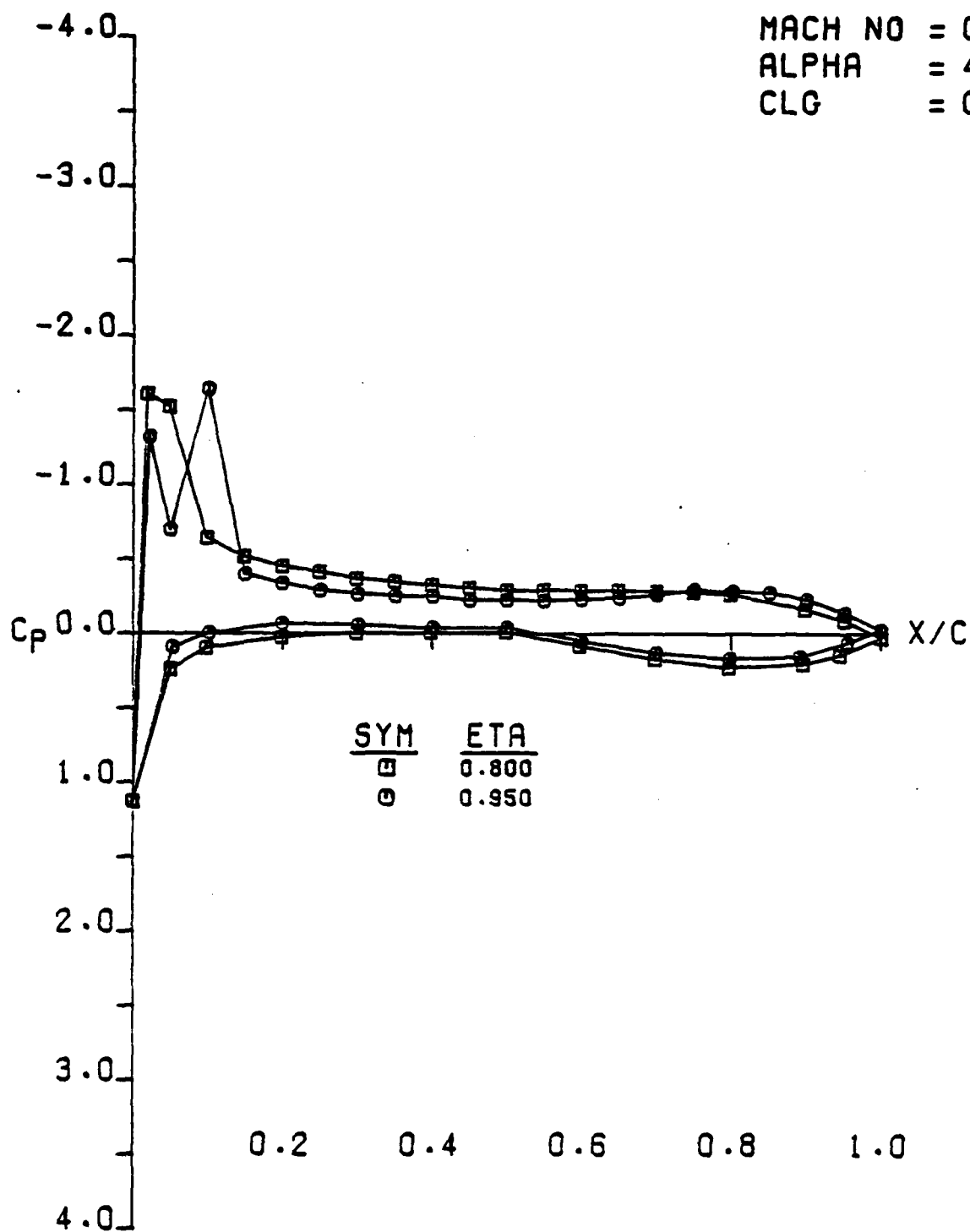


LOCKHEED CPWT SEMI-SPAN TEST, RUN 236
 TITLE
 AFOSR SEMISPAN MODEL 3

MACH NO = 0.702
 ALPHA = 4.962
 CLG = 0.497

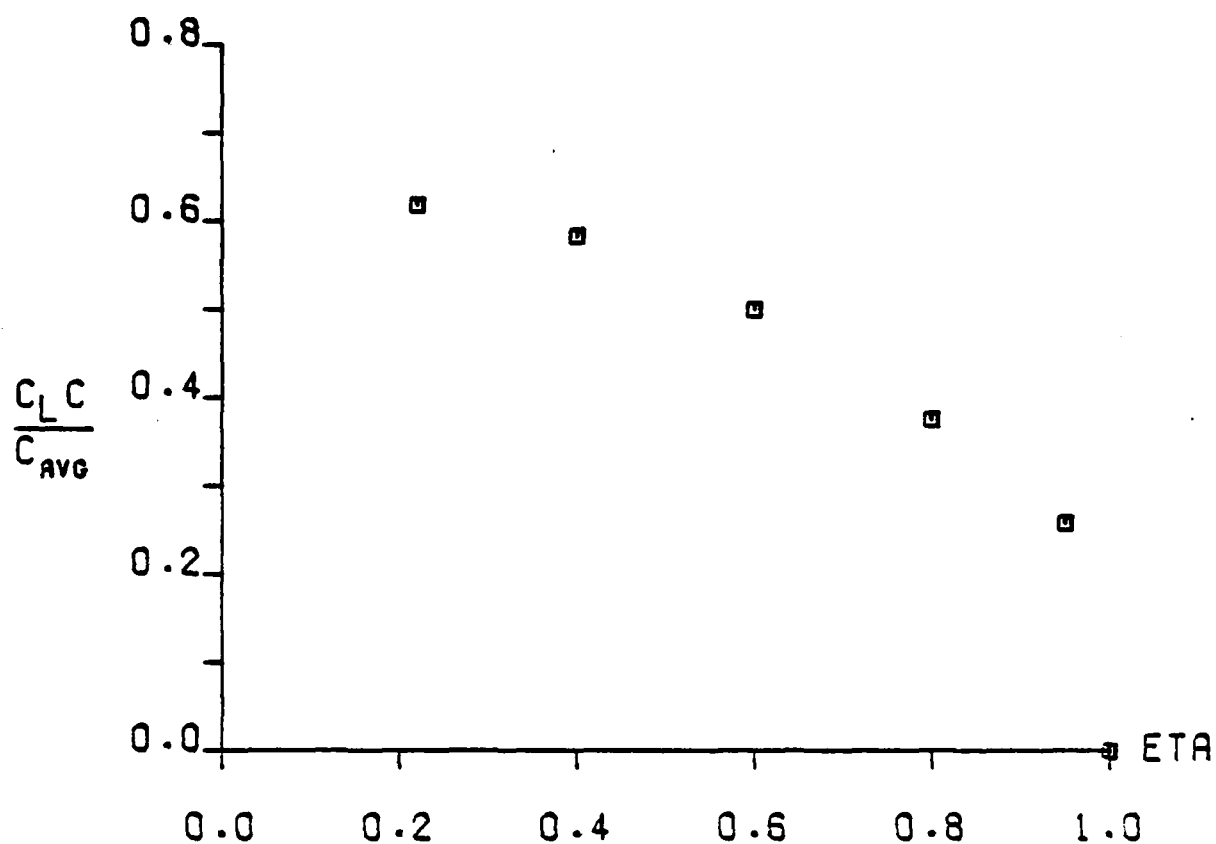


LOCKHEED CFWT SEMI-SPAN TEST, RUN 236
 TITLE
 AFOSR SEMISPAN MODEL B



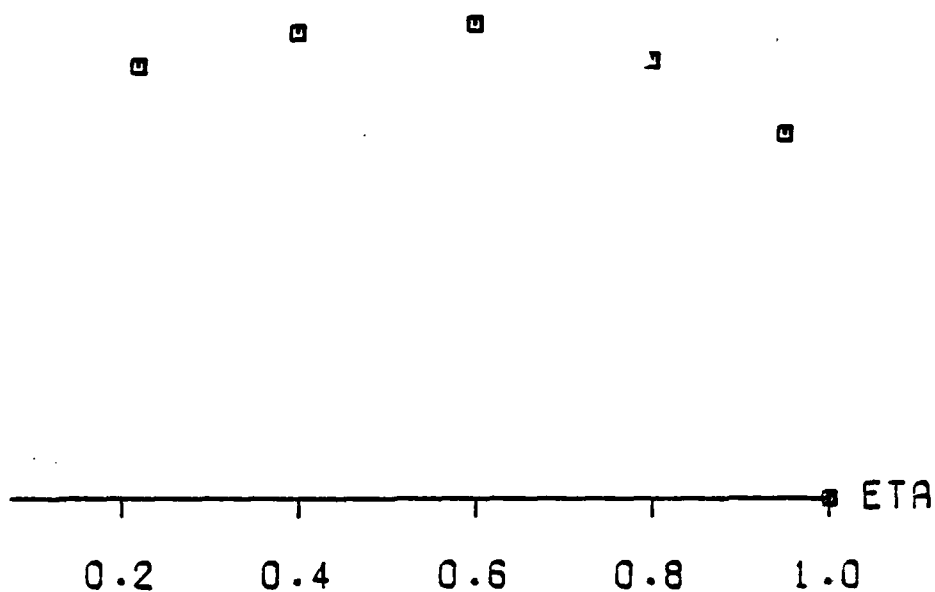
LOCKHEED CFWT SEMI-SPAN TEST, RUN 236
TITLE
AFOSR SEMISPAN MODEL B

MACH NO = 0.702
ALPHA = 4.962
CLG = 0.497

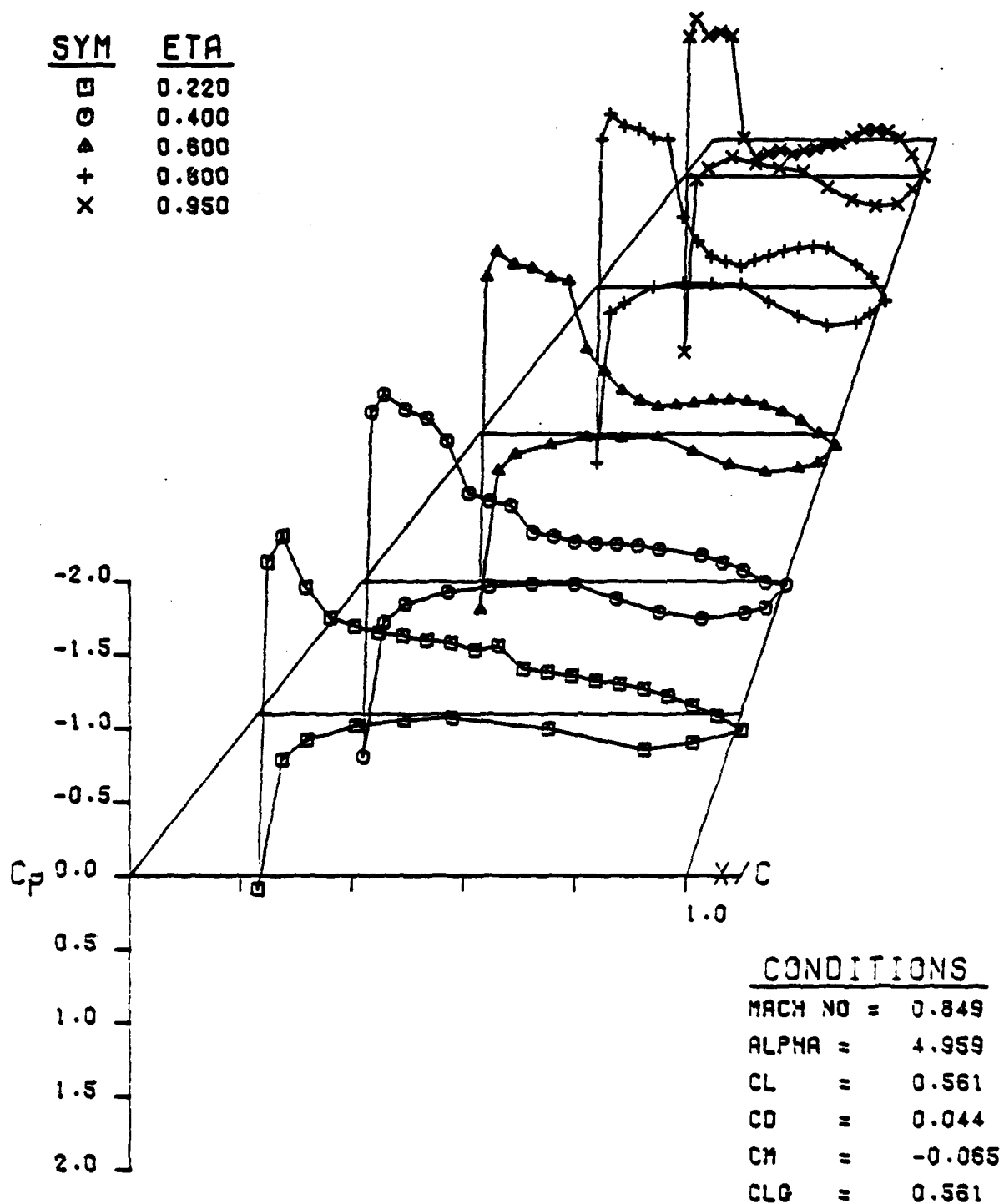


LOCKHEED CFWT SEMI-SPAN TEST, RUN 236
TITLE
AFOSR SEMISPAN MODEL B

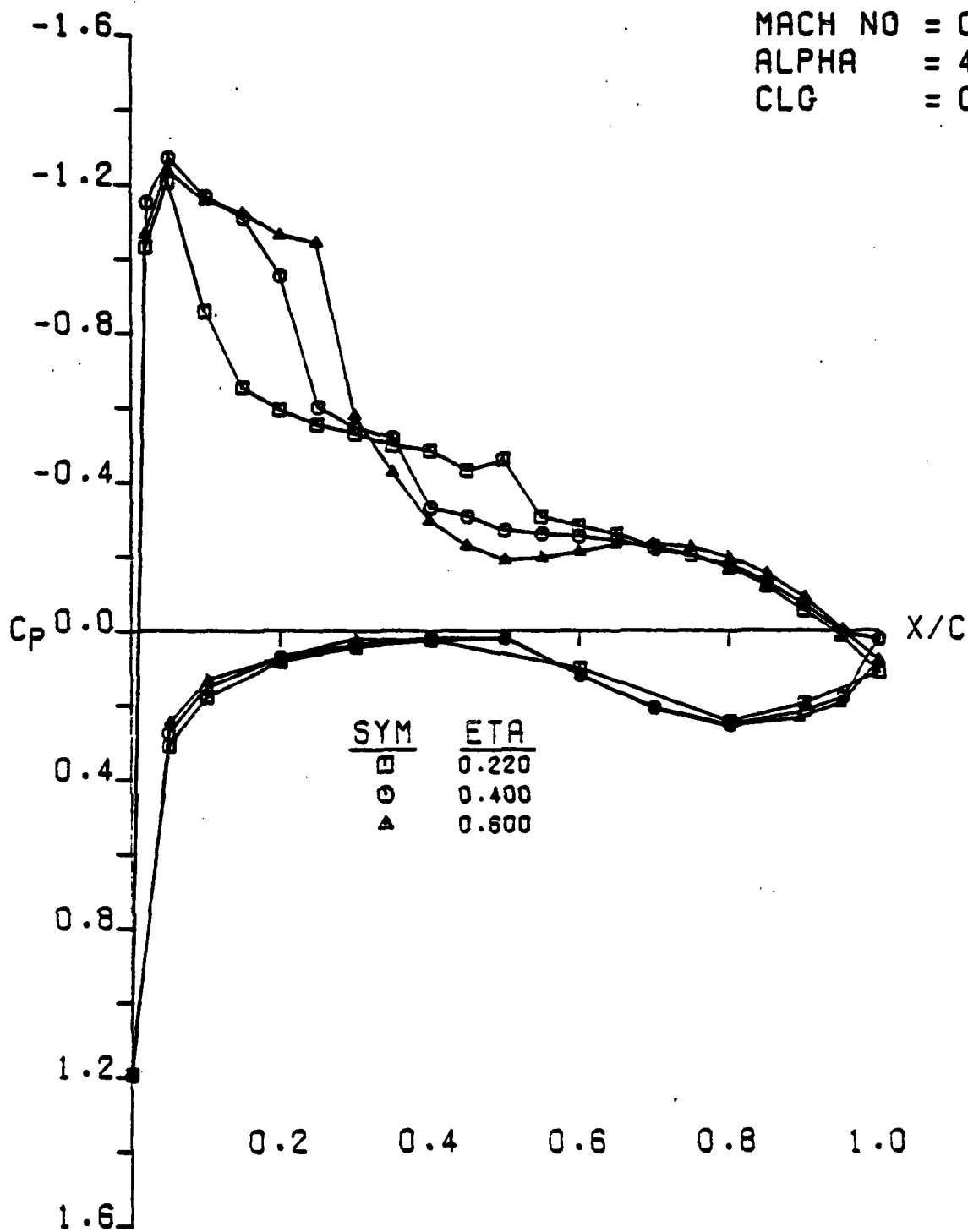
MACH NO = 0.702
ALPHA = 4.962
CLG = 0.497



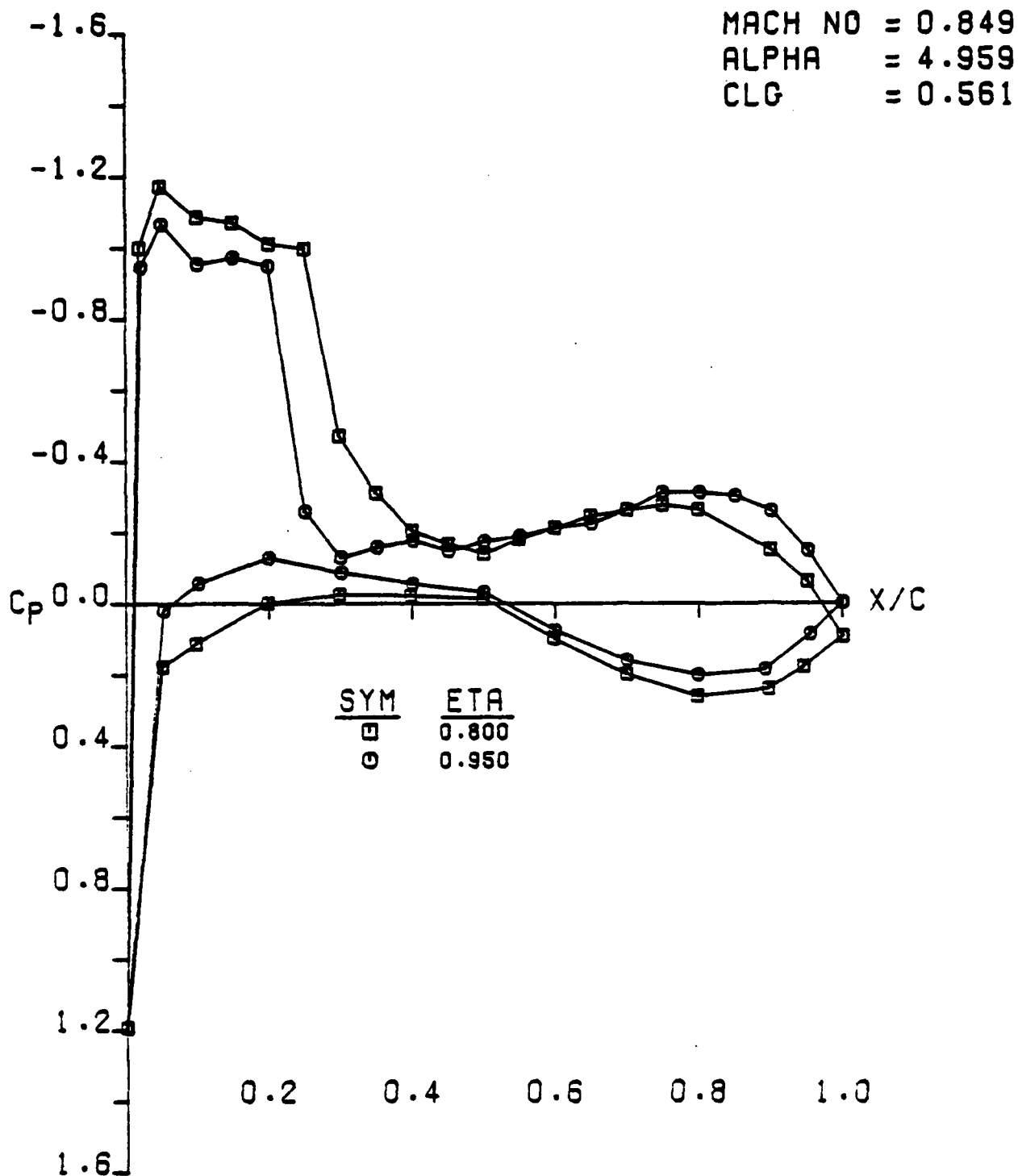
CKHEED CFWT SEMI-SPAN TEST, RUN 236
TLE
AFOSR SEMISPAN MODEL 8



LOCKHEED CFWT SEMI-SPAN TEST, RUN 17
 TITLE
 AFOSR SEMISPAN MODEL B

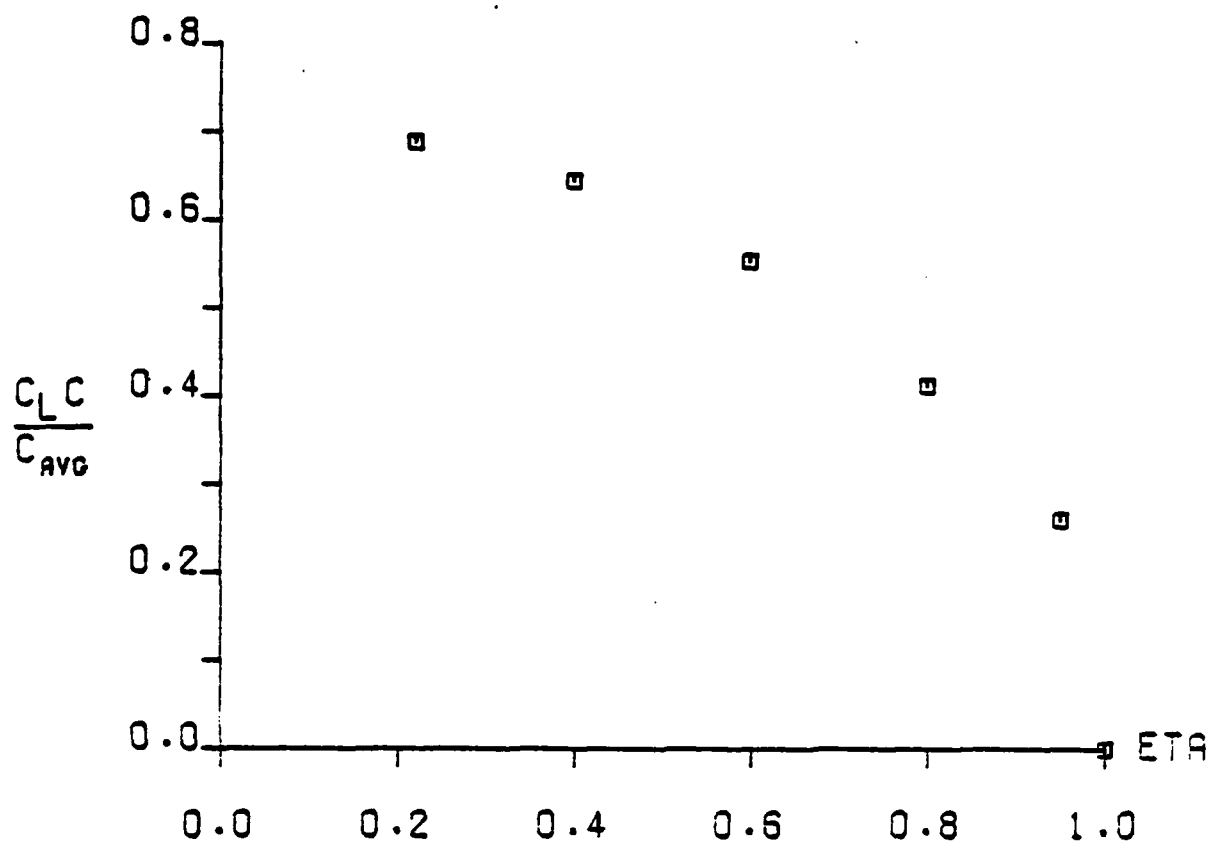


LOCKHEED CFWT SEMI-SPAN TEST, RUN 17
 TITLE
 AFOSR SEMISPAN MODEL B



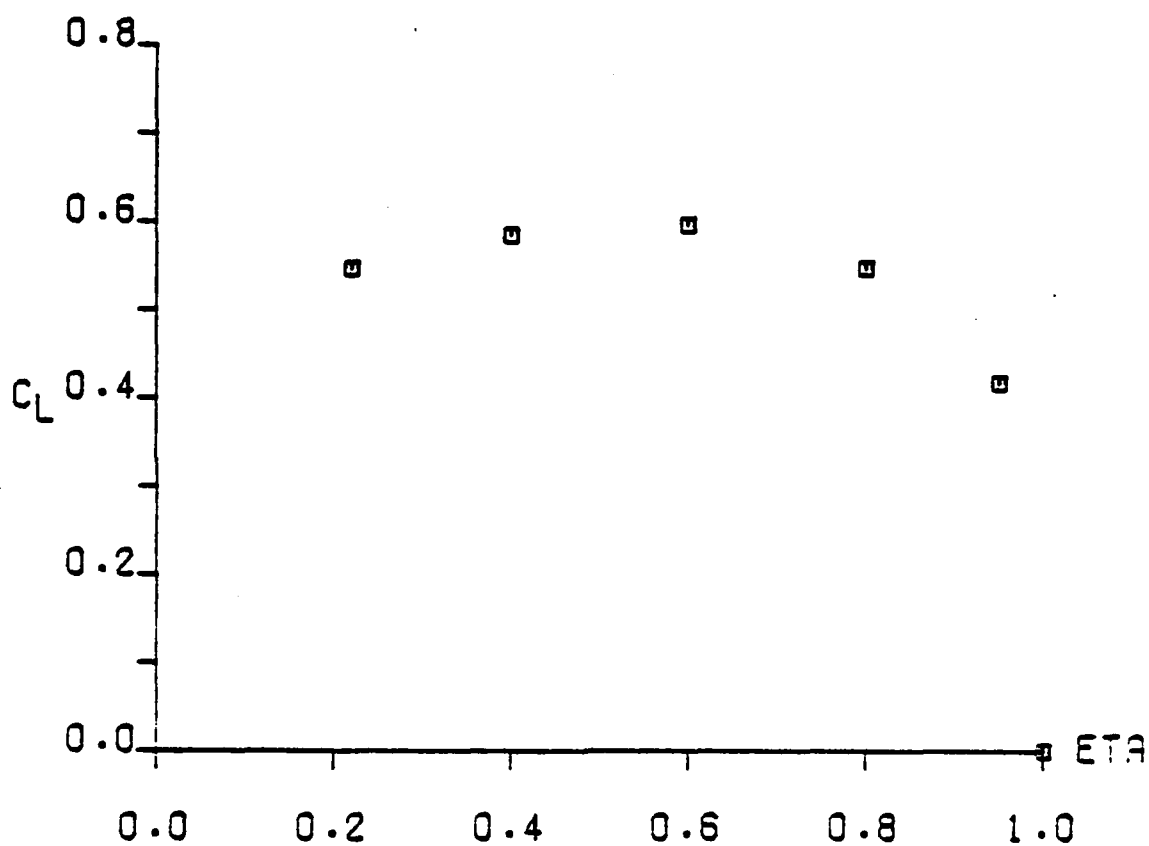
LOCKHEED CFWT SEMI-SPAN TEST, RUN 17
 TITLE
 AFOSR SEMISPAN MODEL B

MACH NO = 0.849
ALPHA = 4.959
CLG = 0.561



LOCKHEED CFWT SEMI-SPAN TEST, RUN 17
TITLE
AFOSR SEMISPAN MODEL B

MACH NO = 0.849
ALPHA = 4.959
CLG = 0.561

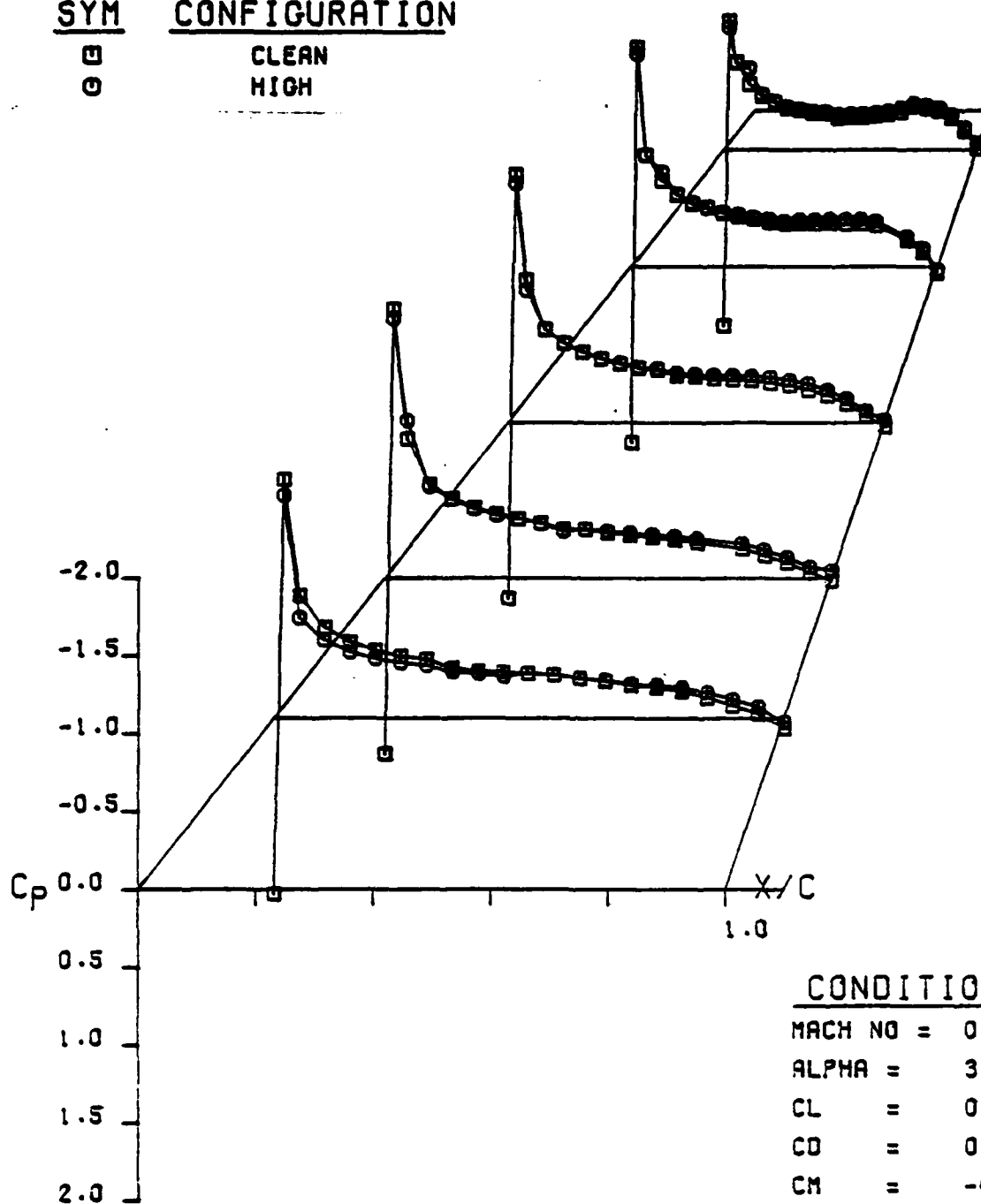


LOCKHEED CFWT SEMI-SPAN TEST, RUN 17
TITLE
AFOSR SEMISPAN MODEL B

SYM CONFIGURATION

□
○

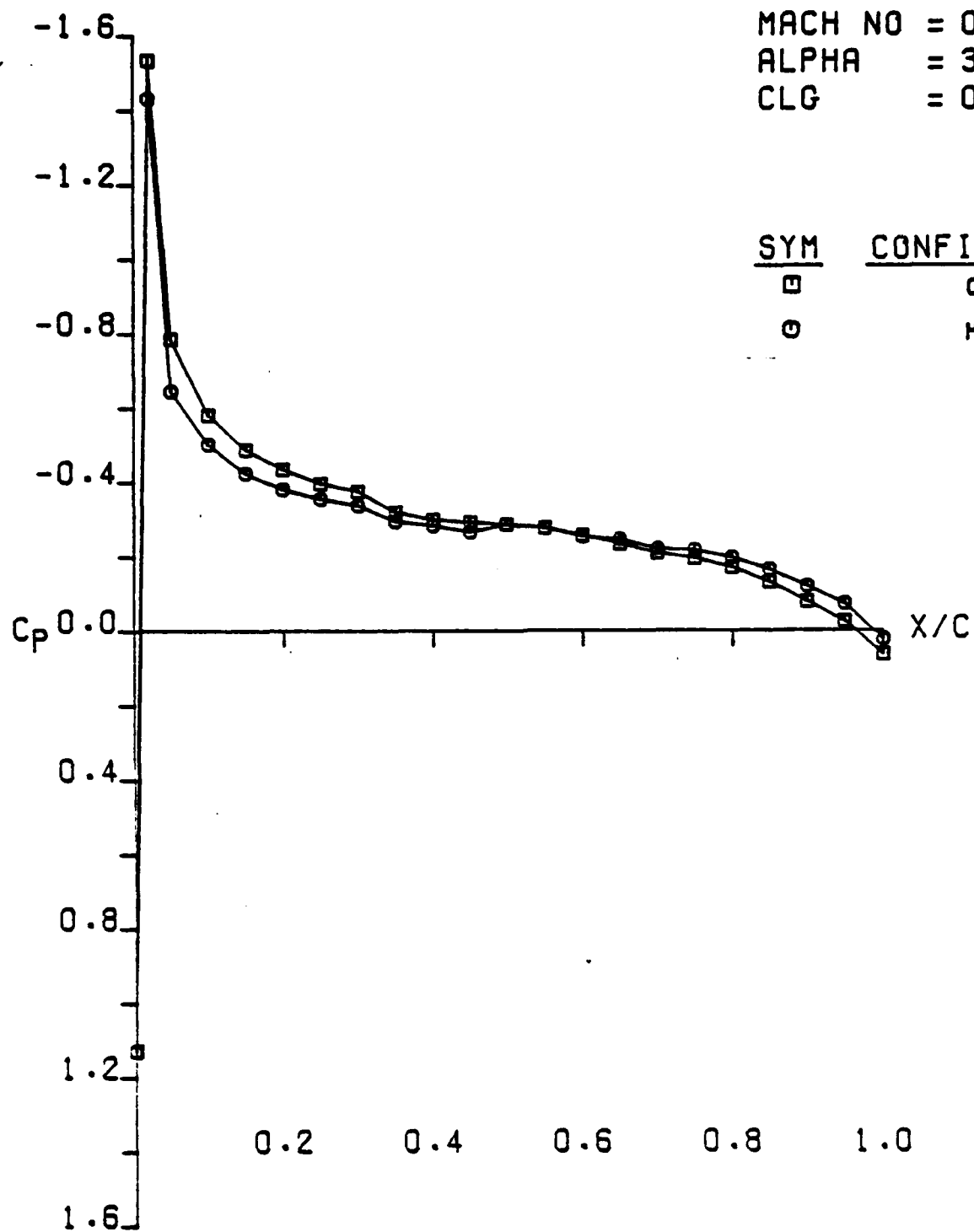
CLEAN
HIGH



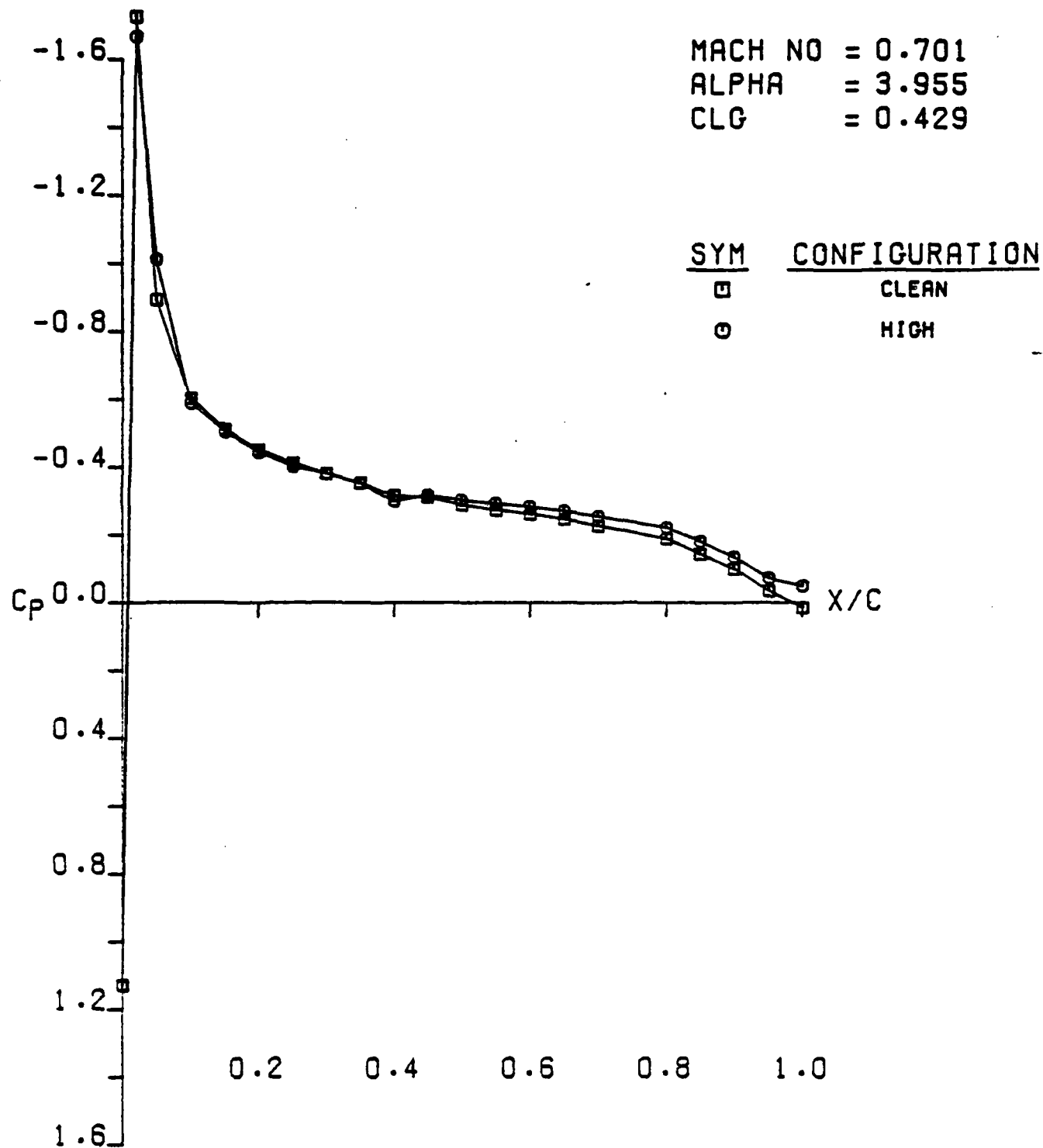
CONDITIONS

MACH NO = 0.701
ALPHA = 3.955
CL = 0.429
CD = 0.027
CM = -0.054
CLG = 0.429

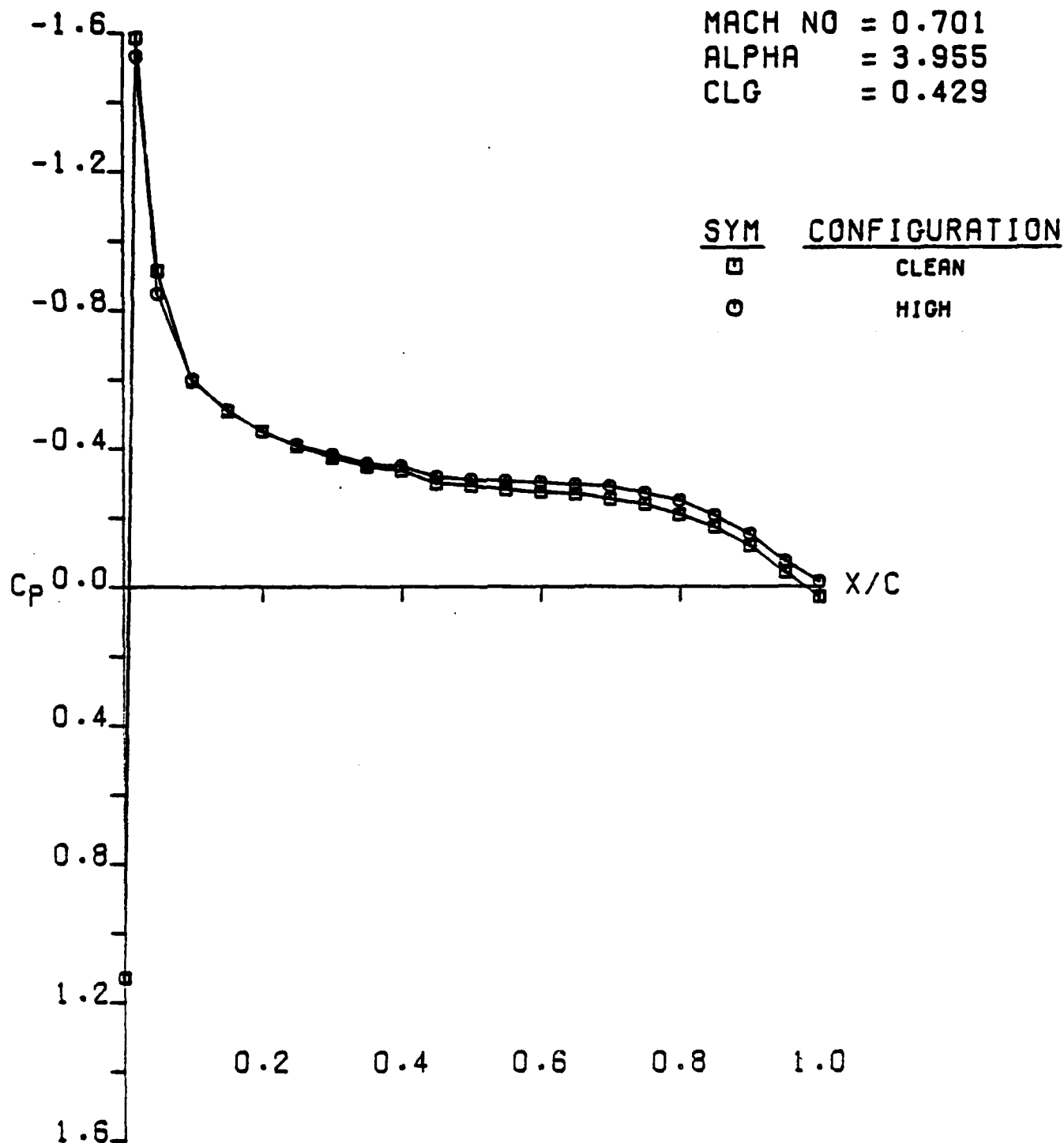
LOCKHEED CFWT SEMI-SPAN TEST, RUN 5
CLN VS HIGH (UPR SURF)
AFOSR SEMISPAN MODEL B



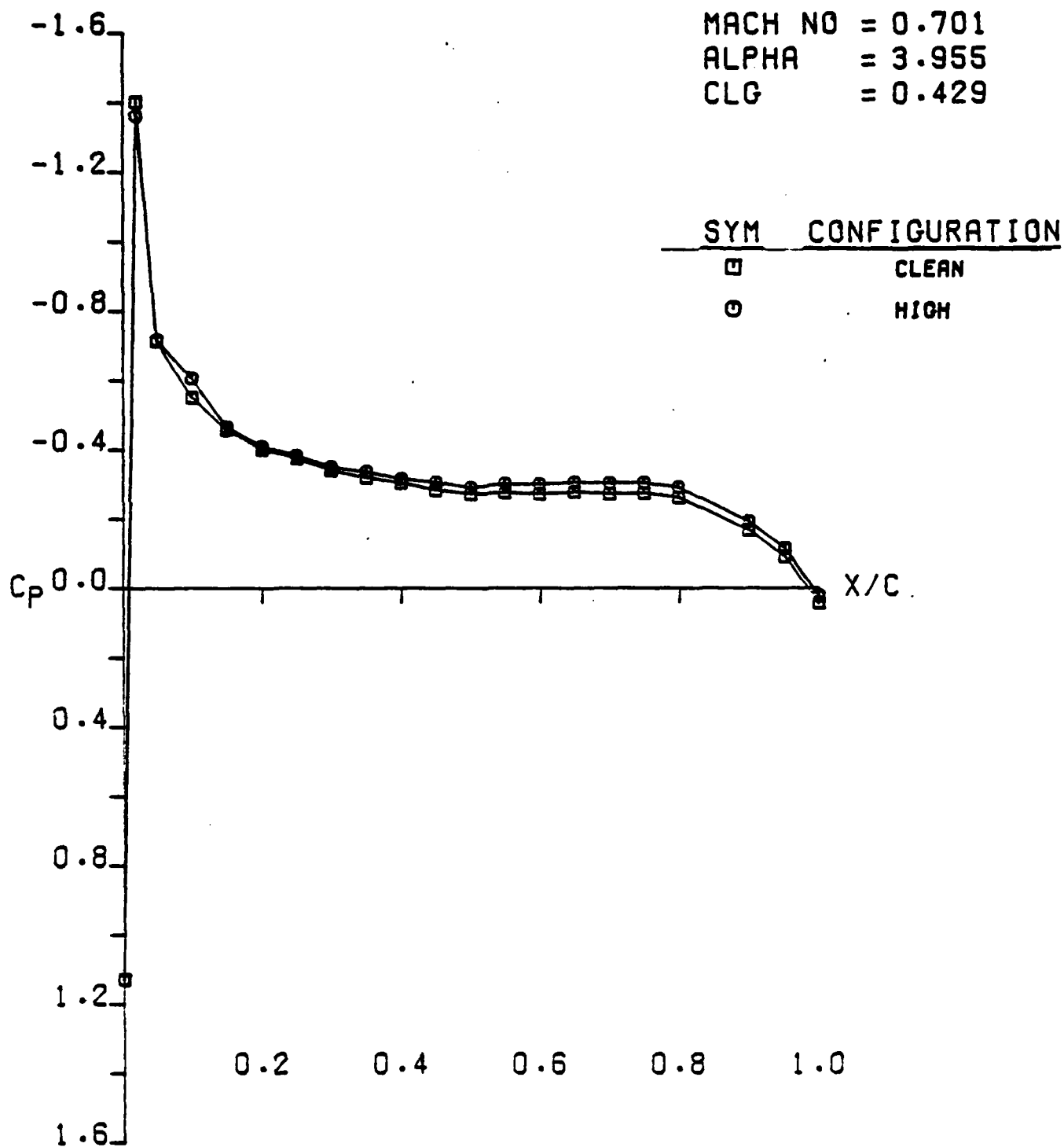
LOCKHEED CFWT SEMI-SPAN TEST, RUN 5
 CLN VS HIGH (UPR SURF ETA.216)
 AFOSR SEMISPAN MODEL B



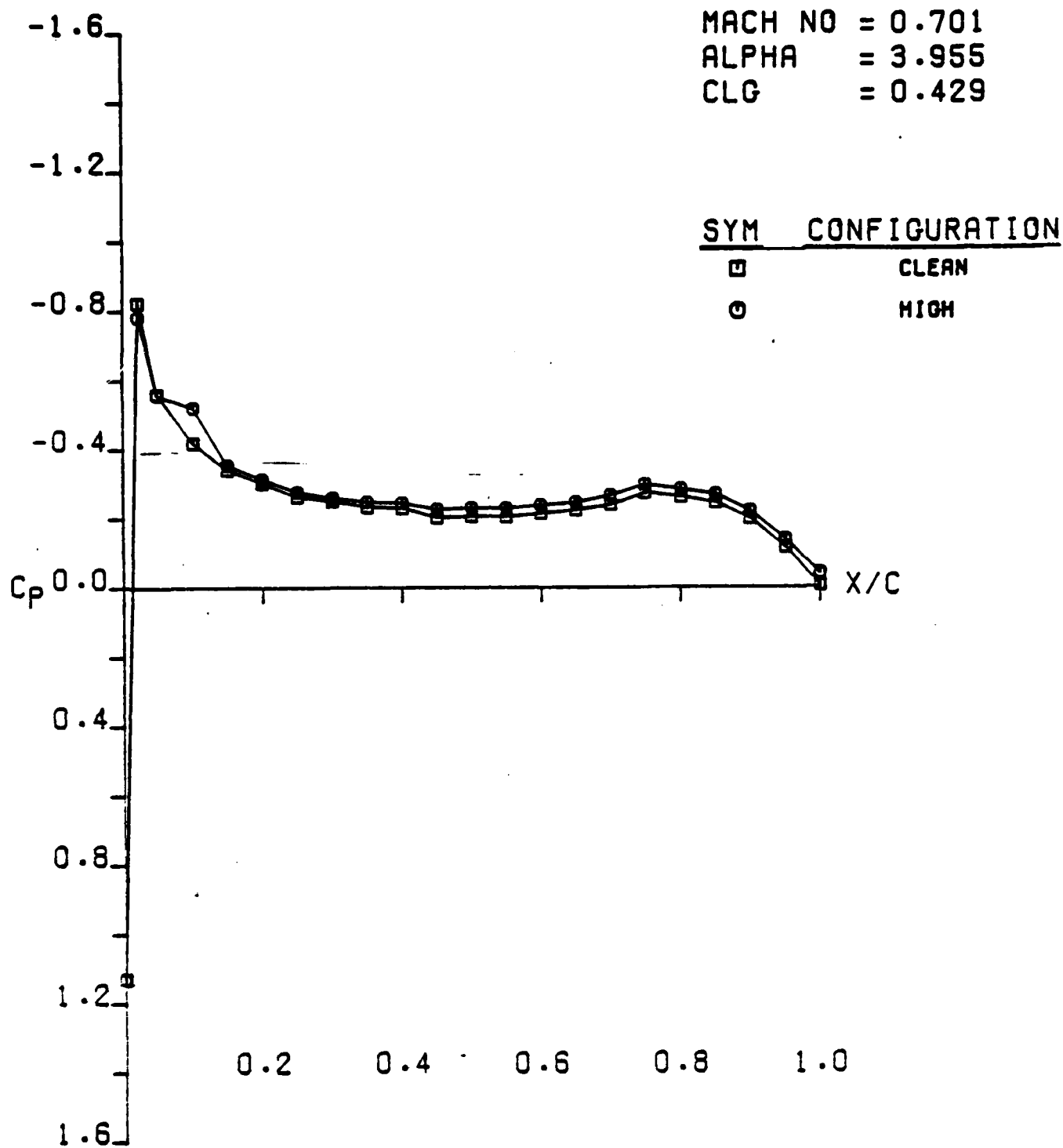
LOCKHEED CFWT SEMI-SPAN TEST, RUN 5
 CLN VS HIGH (UPR SURF ETA .40)
 AFOSR SEMISPAN MODEL B



LOCKHEED CFWT SEMI-SPAN TEST, RUN 5
 CLN VS *HIGH* (UPR SURF ETA .60)
 AFOSR SEMISPAN MODEL B



LOCKHEED CFWT SEMI-SPAN TEST, RUN 5
CLN VS HIGH (UPR SURF ETA .8)
AFOSR SEMISPAN MODEL B

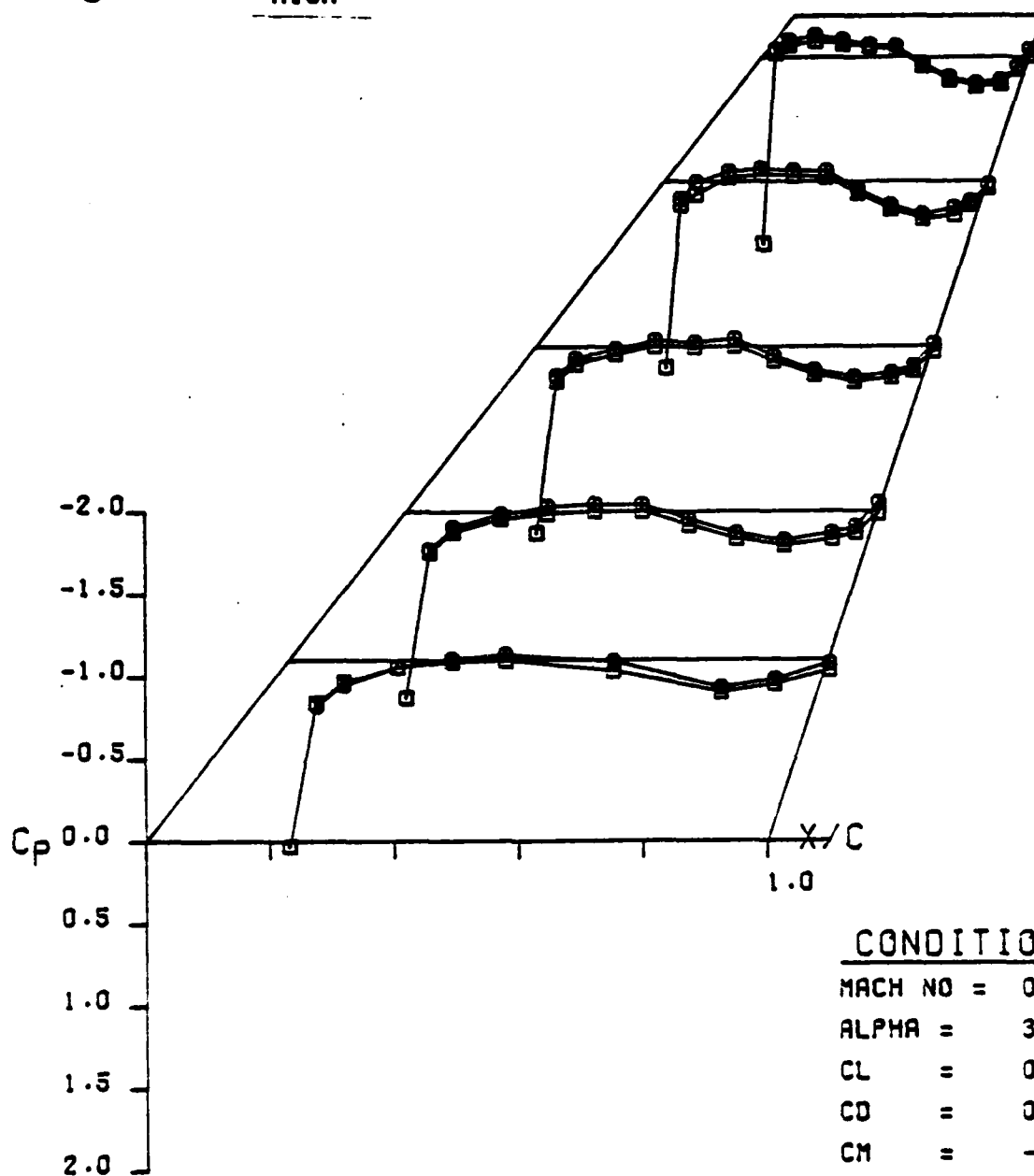


LOCKHEED CFWT SEMI-SPAN TEST, RUN 5
CLN VS *HIGH* (UPR SURF ETA .95)
AFOSR SEMISPAN MODEL B

SYM CONFIGURATION

□
○

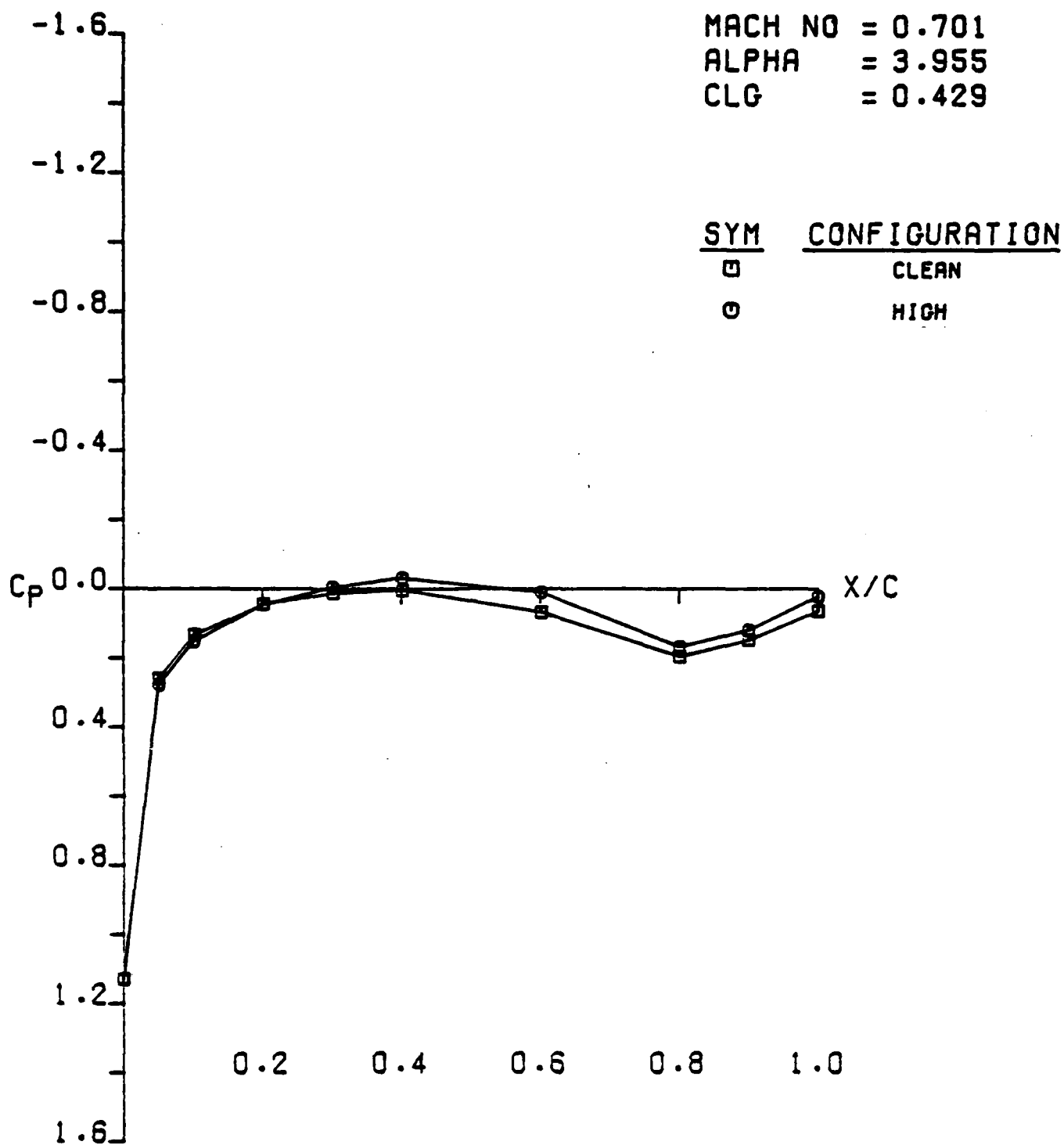
CLEAN
HIGH



CONDITIONS

MACH NO = 0.701
 ALPHA = 3.955
 CL = 0.429
 CD = 0.027
 CM = -0.054
 CLG = 0.429

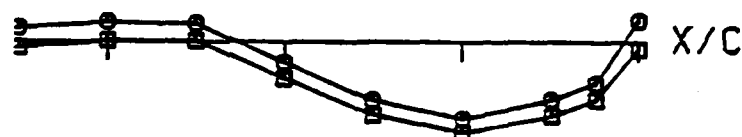
LOCKHEED CFWT SEMI-SPAN TEST, RUN 5
 CLN VS HIGH (LWR SURF)
 AFOSR SEMISPAN MODEL B



LOCKHEED CFWT SEMI-SPAN TEST, RUN 5
 CLN VS *HIGH* (LWR SURF ETA.216)
 AFOSR SEMISPAN MODEL B

MACH NO = 0.701
 ALPHA = 3.955
 CLG = 0.429

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	HIGH

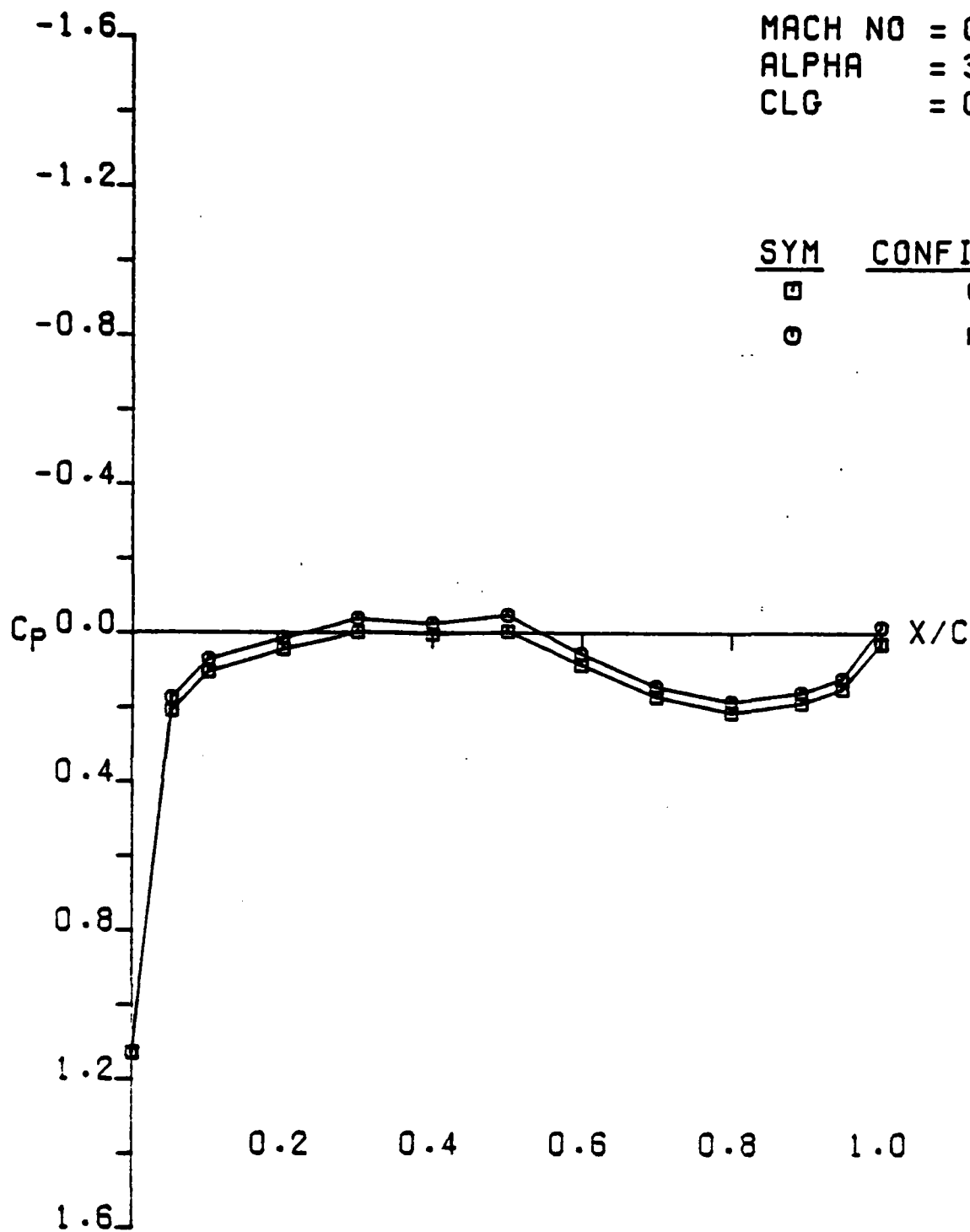


0.4 0.6 0.8 1.0

CFWT SEMI-SPAN TEST, RUN 5
 # (LWR SURF ETA.4)
 SEMISPAN MODEL B

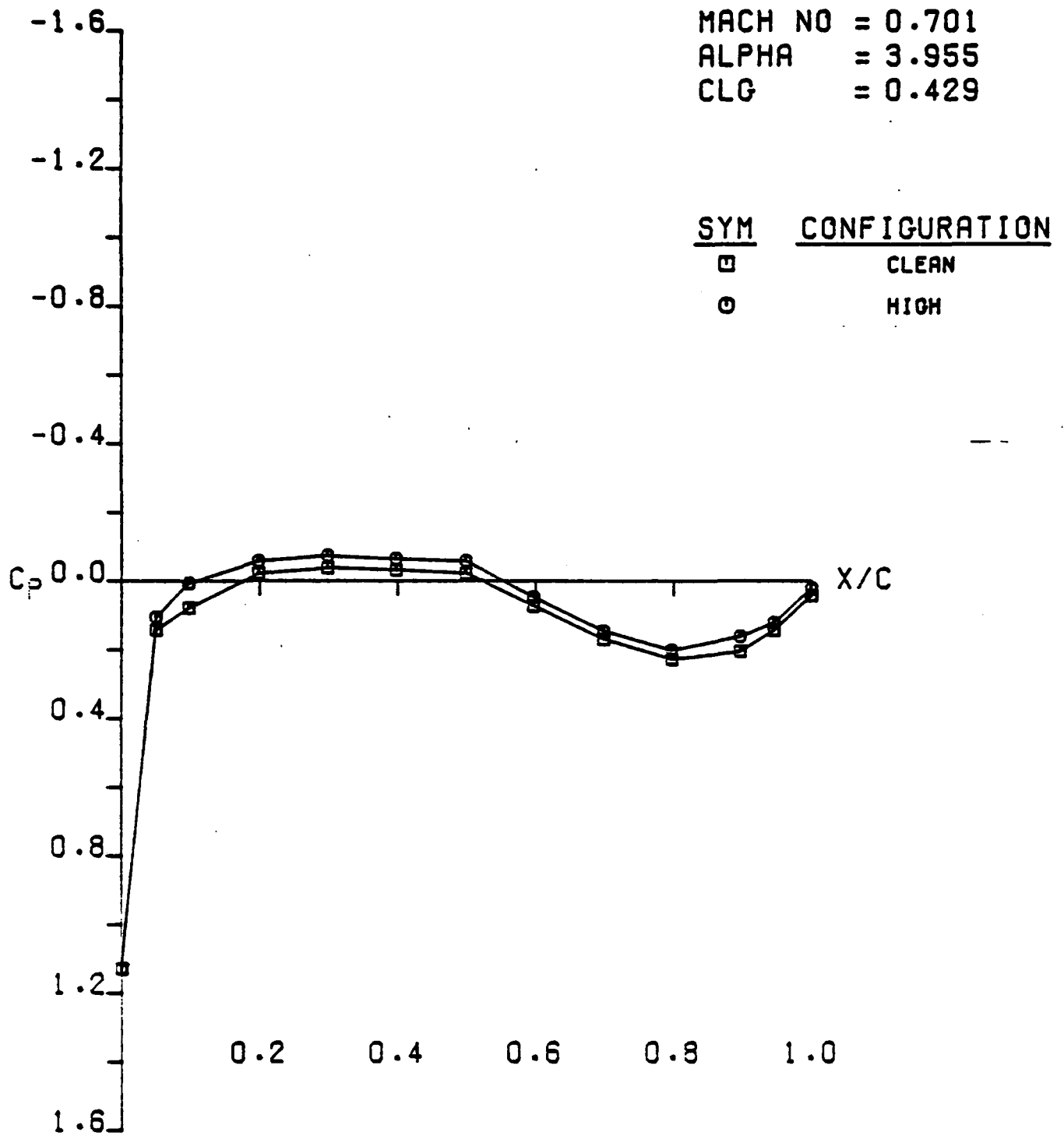
MACH NO = 0.701
 ALPHA = 3.955
 CLG = 0.429

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	HIGH



LOCKHEED CFWT SEMI-SPAN TEST, RUN 5
 CLN VS *HIGH* (LWR SURF ETA.60)
 AFOSR SEMISPAN MODEL B

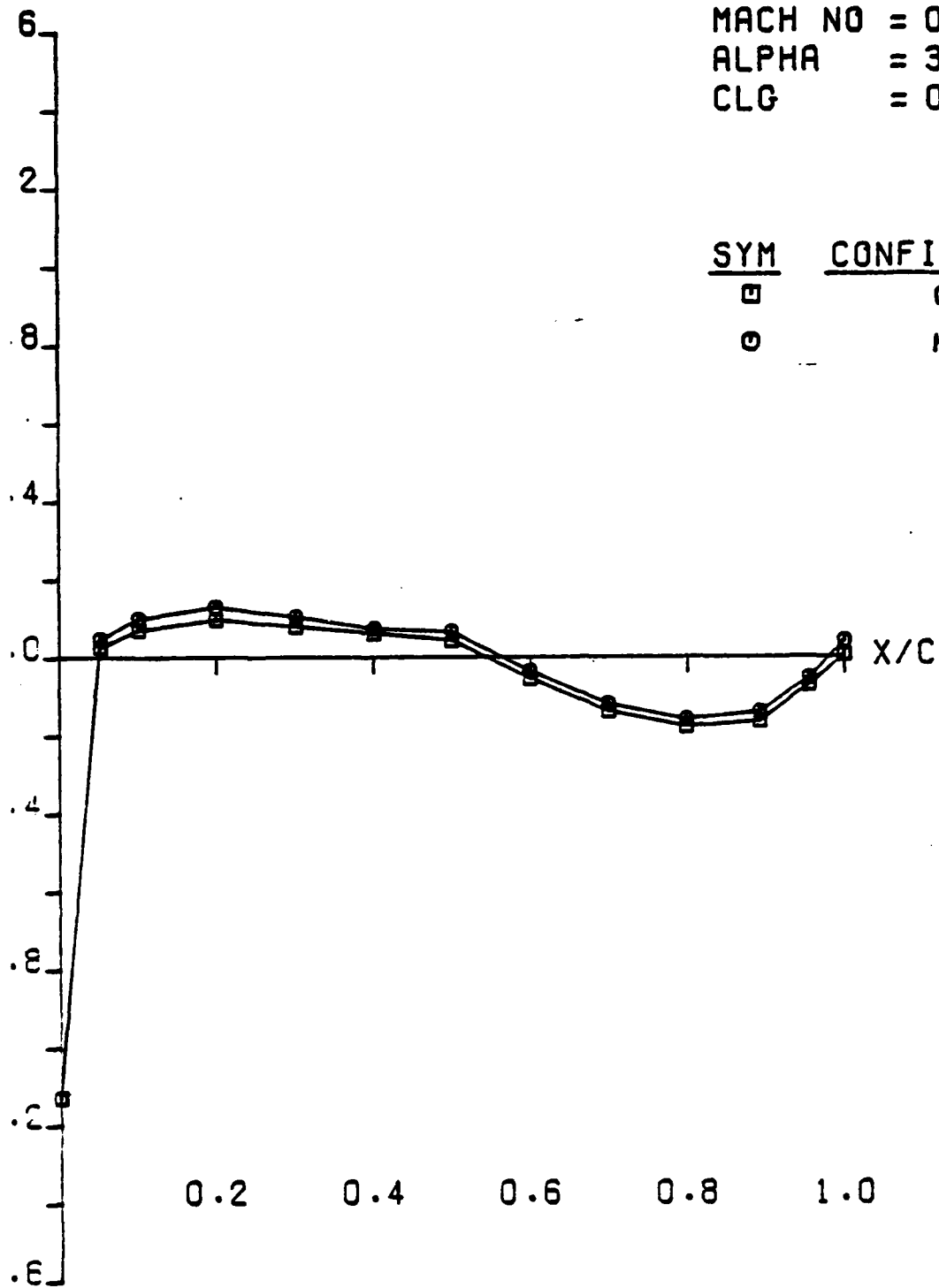
MACH NO = 0.701
ALPHA = 3.955
CLG = 0.429



LOCKHEED CFWT SEMI-SPAN TEST, RUN 5
CLN VS HIGH (LWR SURF ETA.8)
AFOSR SEMISPAN MODEL B

MACH NO = 0.701
 ALPHA = 3.955
 CLG = 0.429

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	HIGH

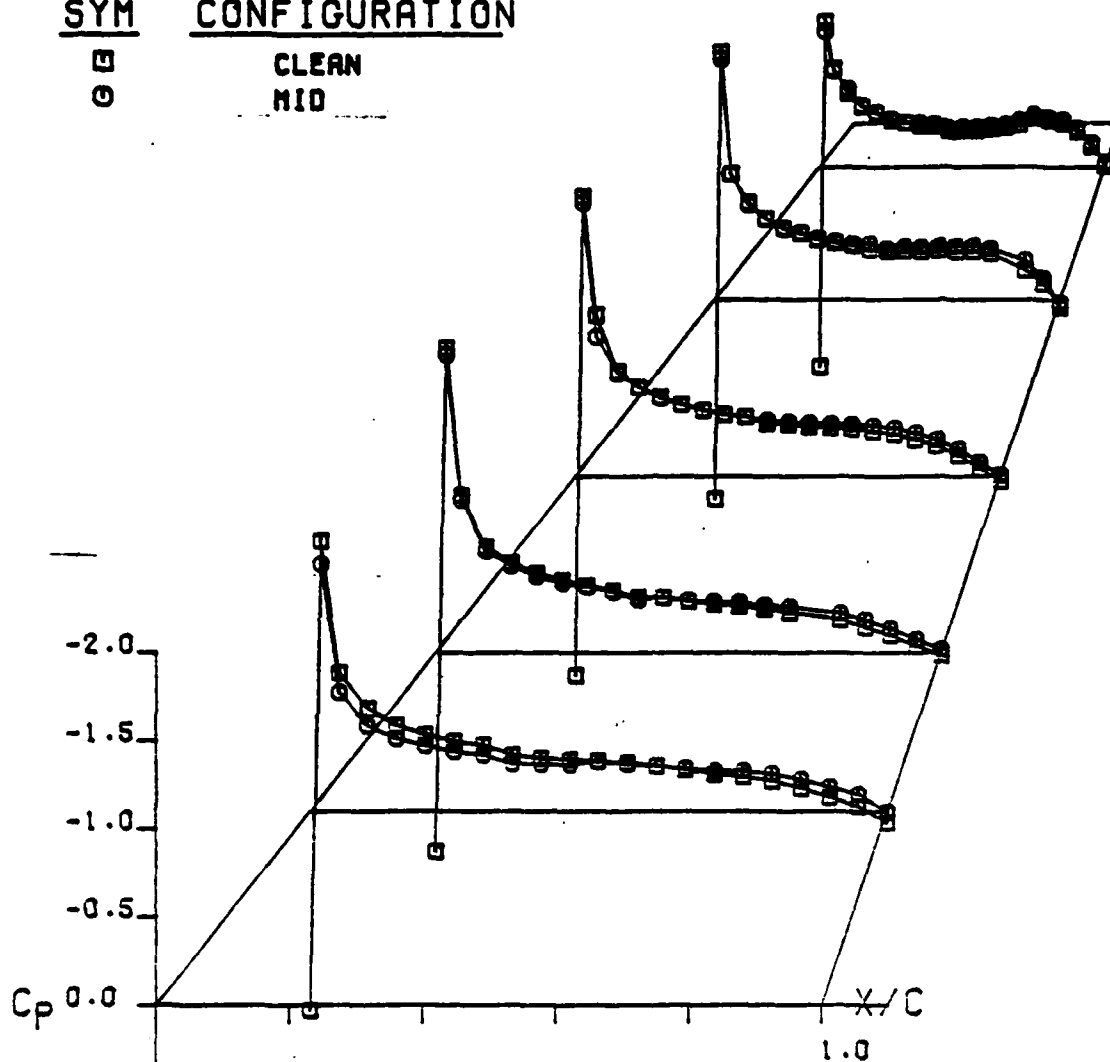


LOCKHEED CFWT SEMI-SPAN TEST, RUN 5
 CLN VS *HIGH* (LWR SURF ETA.95)
 AFOSR SEMISPAN MODEL B

SYM CONFIGURATION

□
○

CLEAN
MID



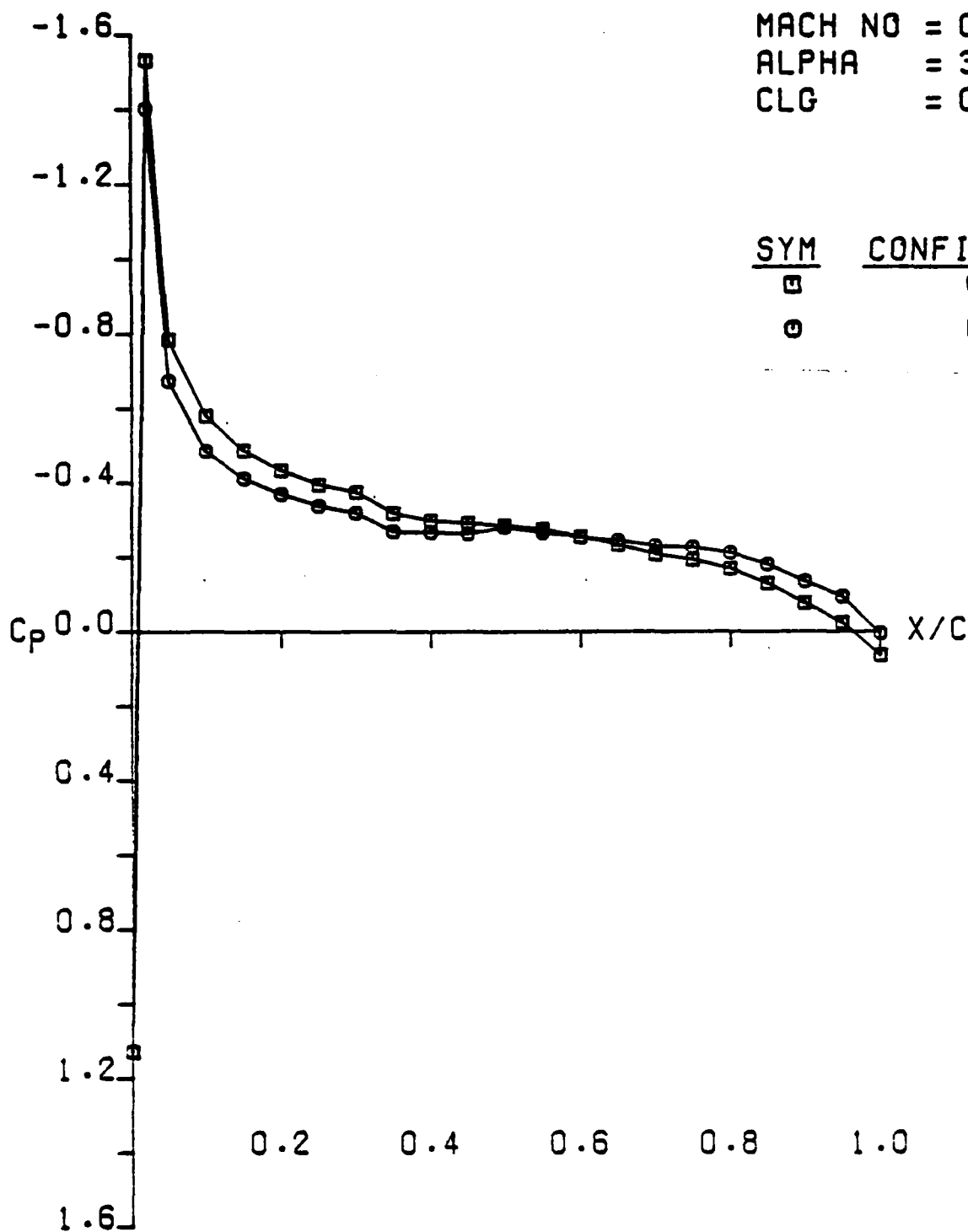
CONDITIONS

MACH NO = 0.701
ALPHA = 3.955
CL = 0.429
CD = 0.027
CM = -0.054
CLG = 0.429

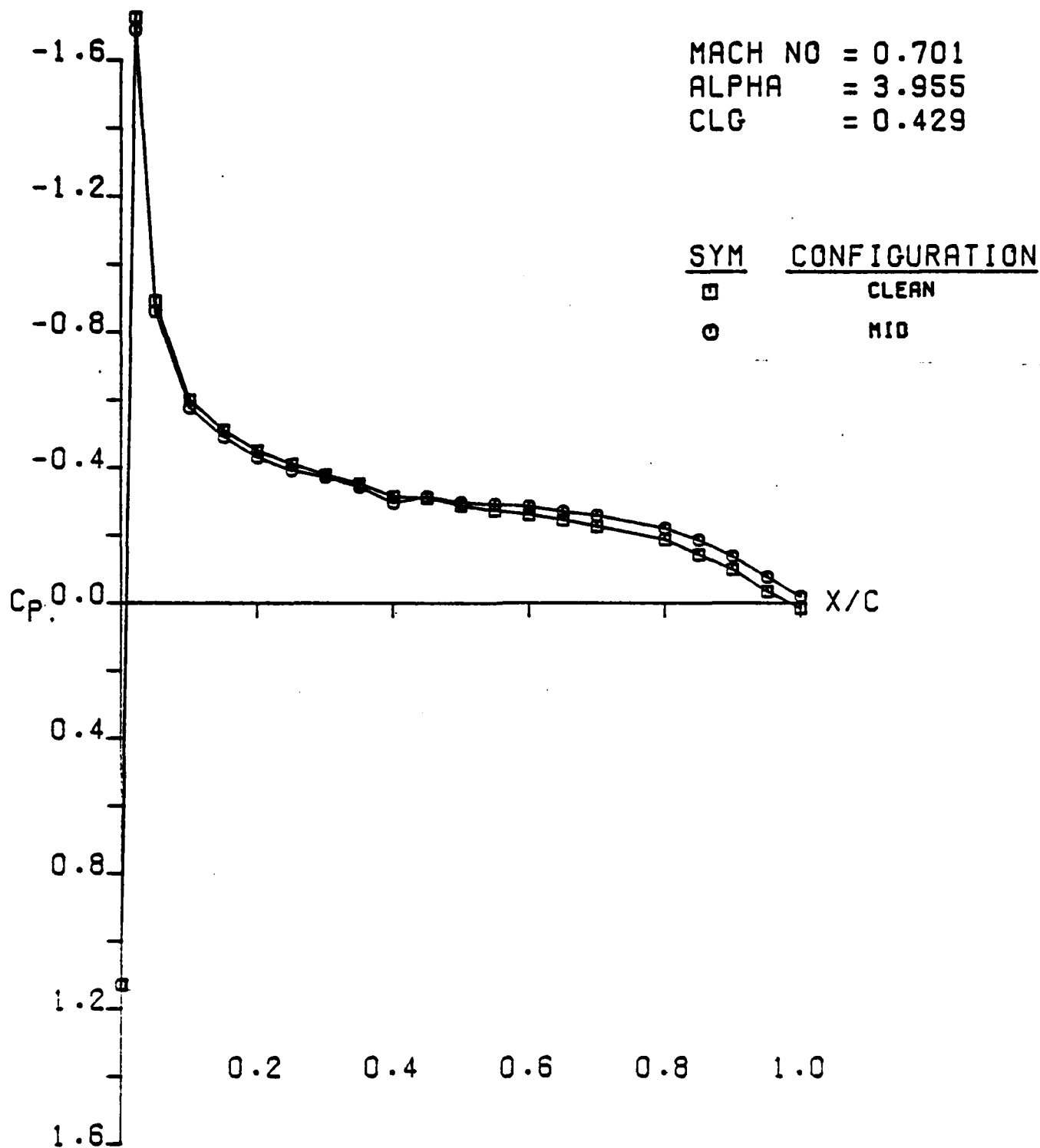
LOCKHEED CFWT SEMI-SPAN TEST, RUN 5
CLN VS MID (UPR SURF)
AFOSR SEMISPAN MODEL 8

MACH NO = 0.701
 ALPHA = 3.955
 CLG = 0.429

SYM	CONFIGURATION
□	CLEAN
○	MID

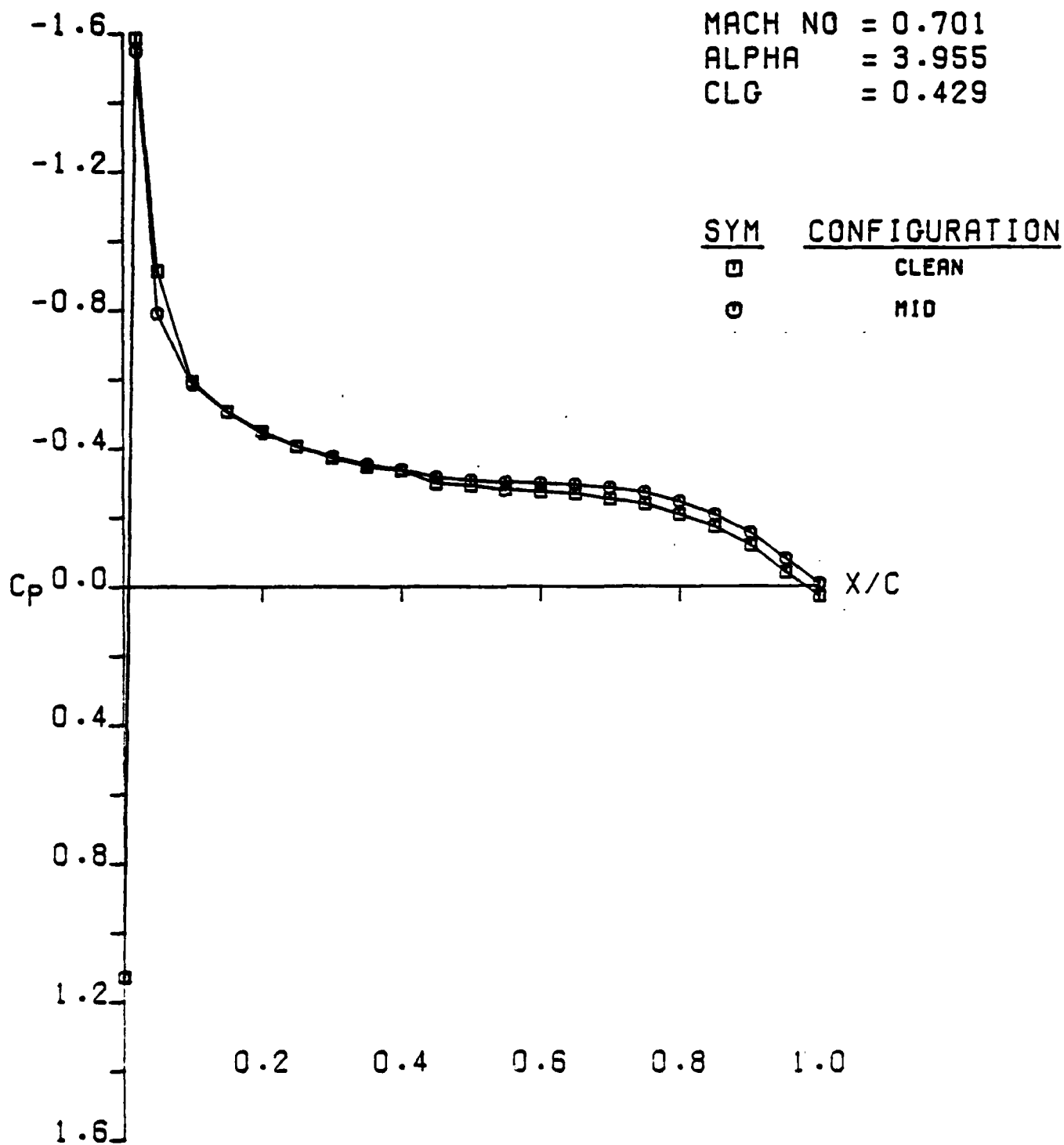


LOCKHEED CFWT SEMI-SPAN TEST, RUN 5
 CLN VS MID (UPR SURF ETA.216)
 AFOSR SEMISPAN MODEL B

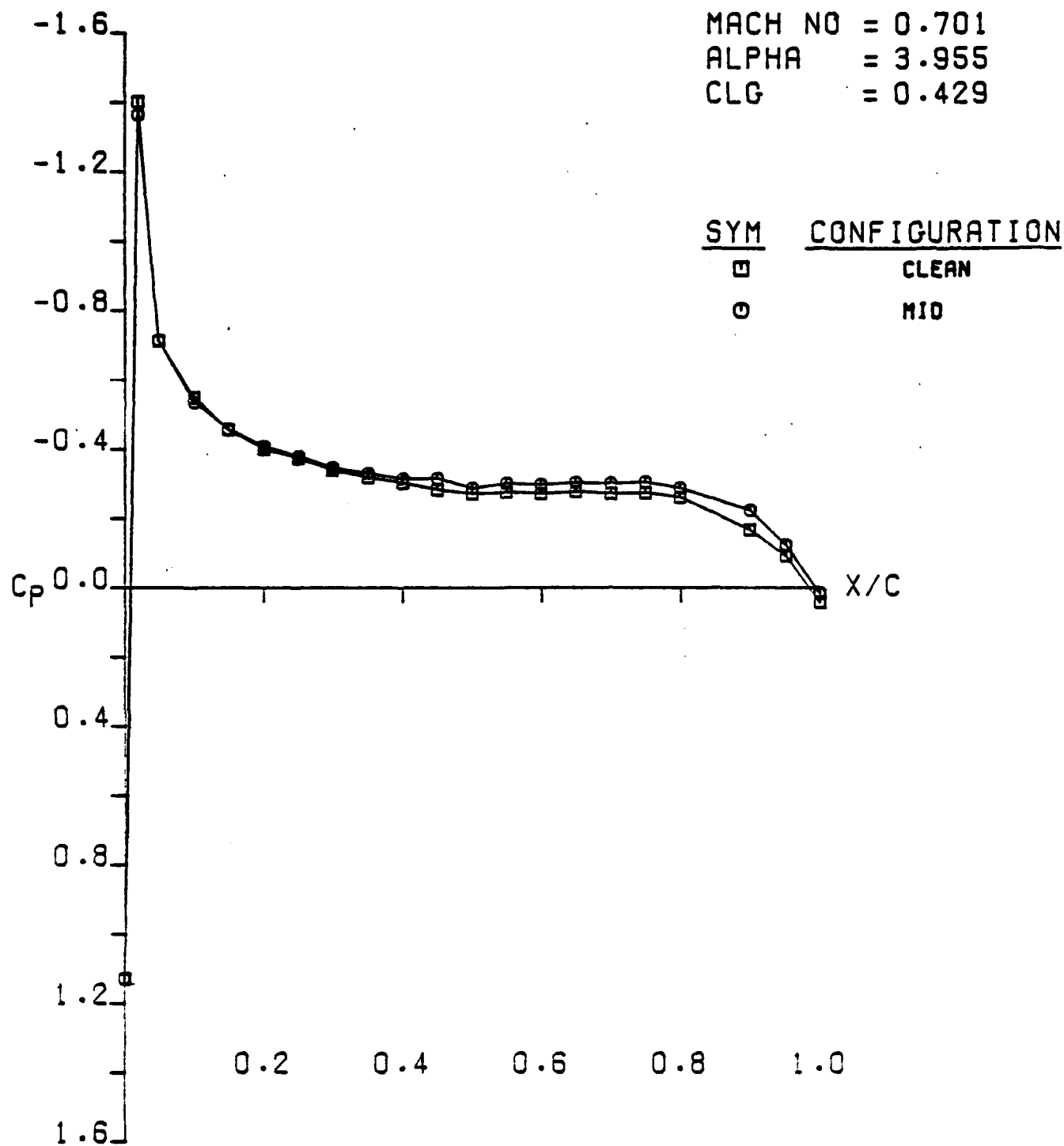


LOCKHEED CFWT SEMI-SPAN TEST, RUN 5
 CLN VS MID (UPR SURF ETA .40)
 AFOSR SEMISPAN MODEL B

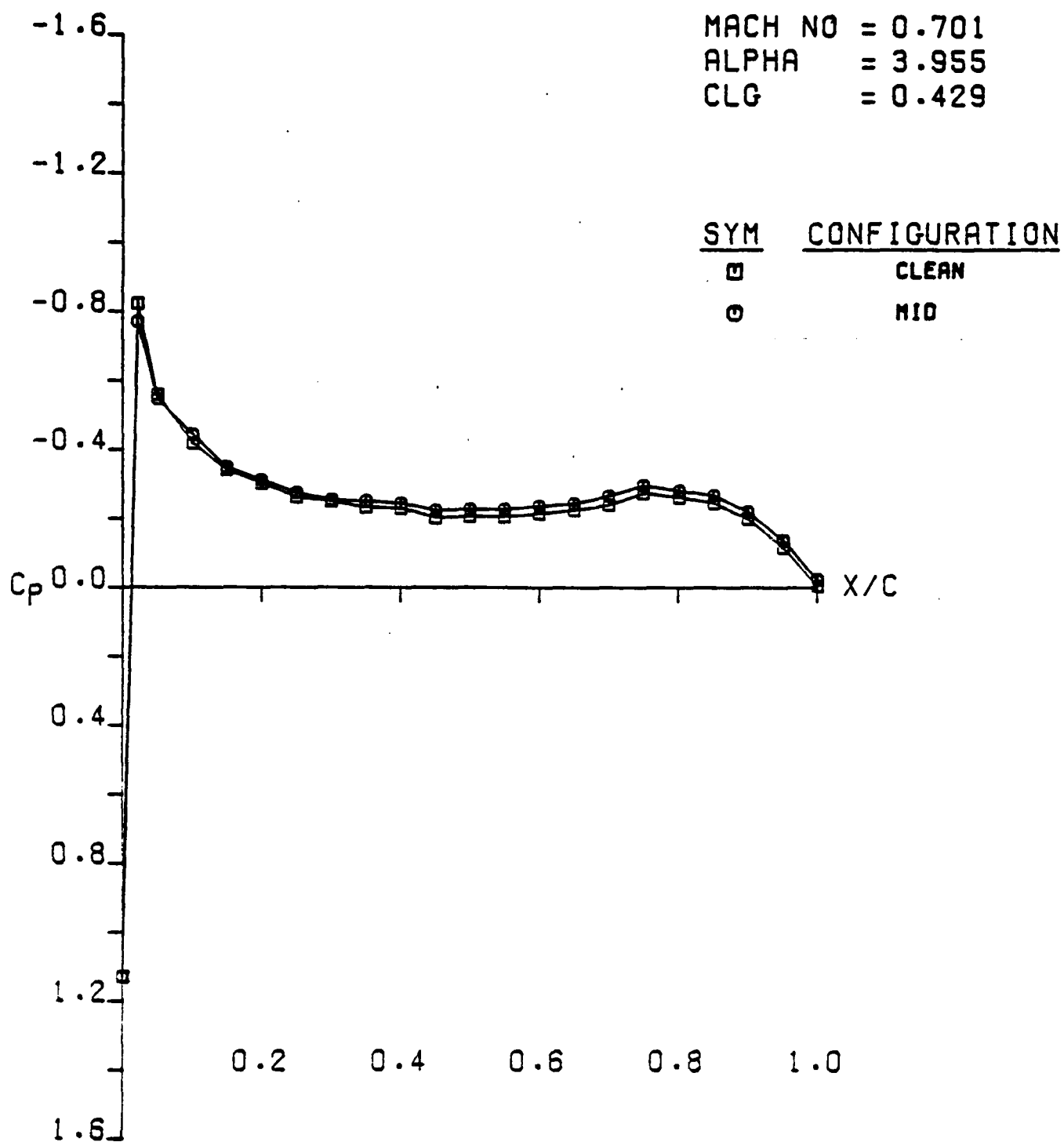
MACH NO = 0.701
 ALPHA = 3.955
 CLG = 0.429



LOCKHEED CFWT SEMI-SPAN TEST, RUN 5
 CLN VS MID (UPR SURF ETA .60)
 AFOSR SEMISPAN MODEL B



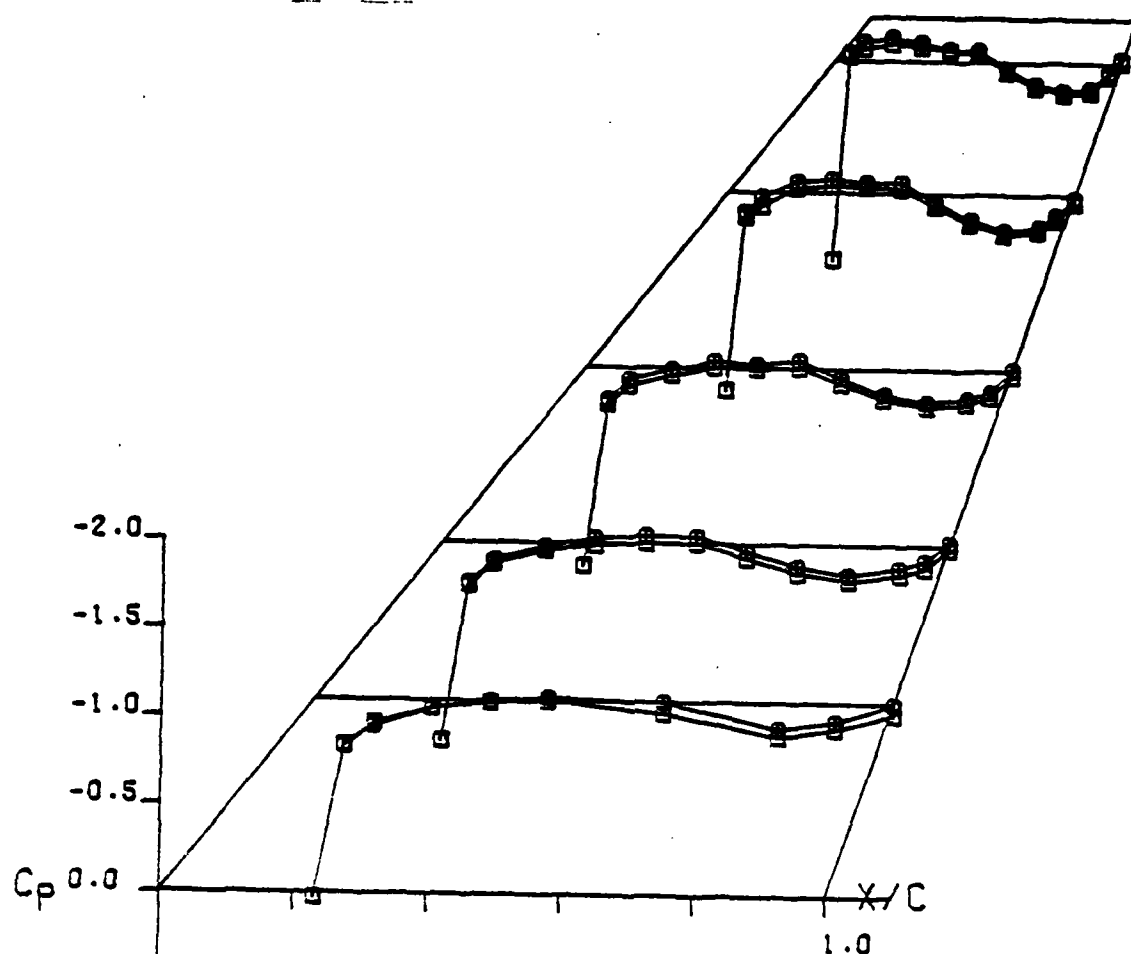
LOCKHEED CFWT SEMI-SPAN TEST, RUN 5
 CLN VS MID (UPR SURF ETA .8)
 AFOSR SEMISPAN MODEL B



LOCKHEED CFWT SEMI-SPAN TEST, RUN 5
CLN VS MID (UPR SURF ETA .95)
AFOSR SEMISPAN MODEL B

SYM CONFIGURATION

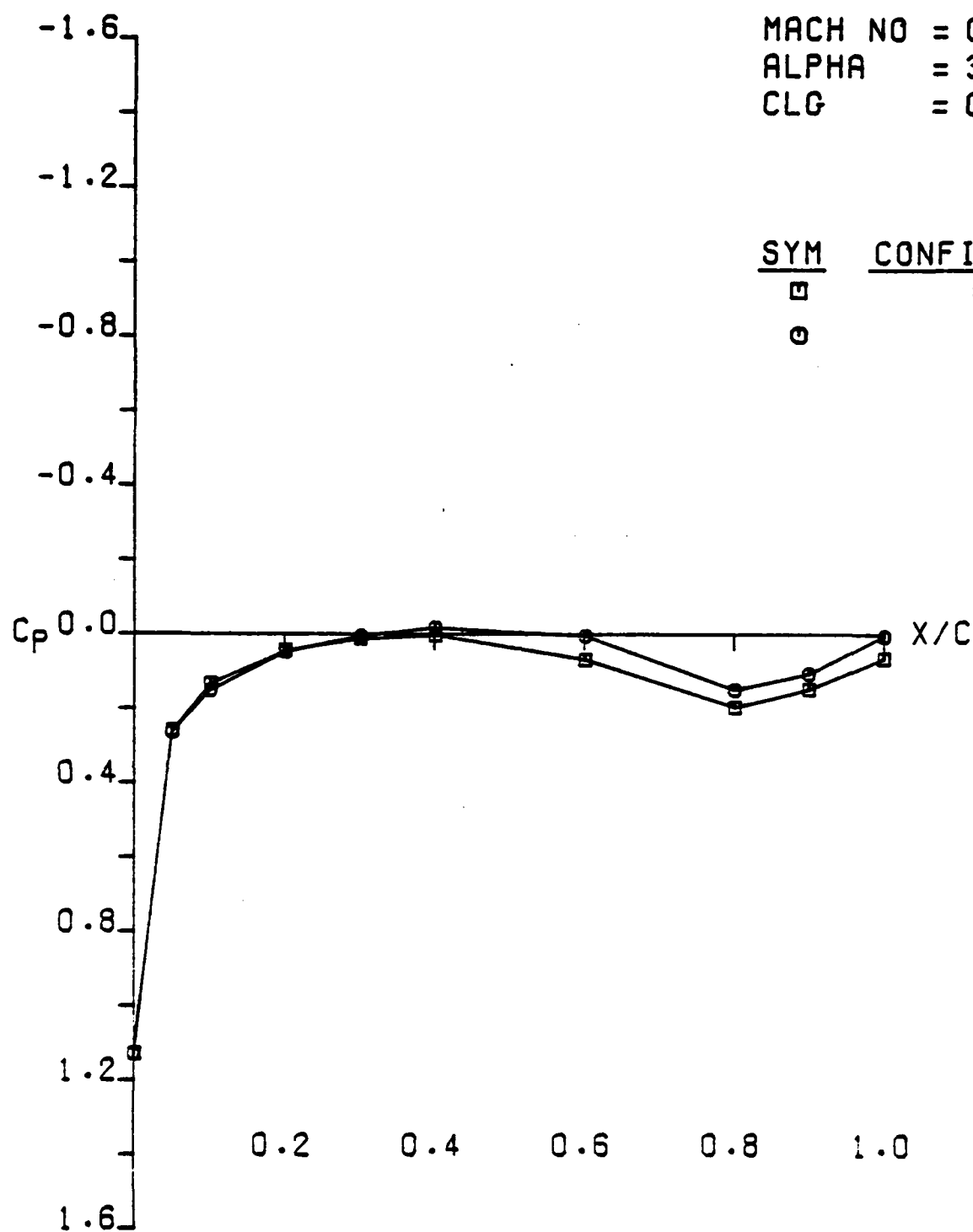
□ CLEAN
○ MID



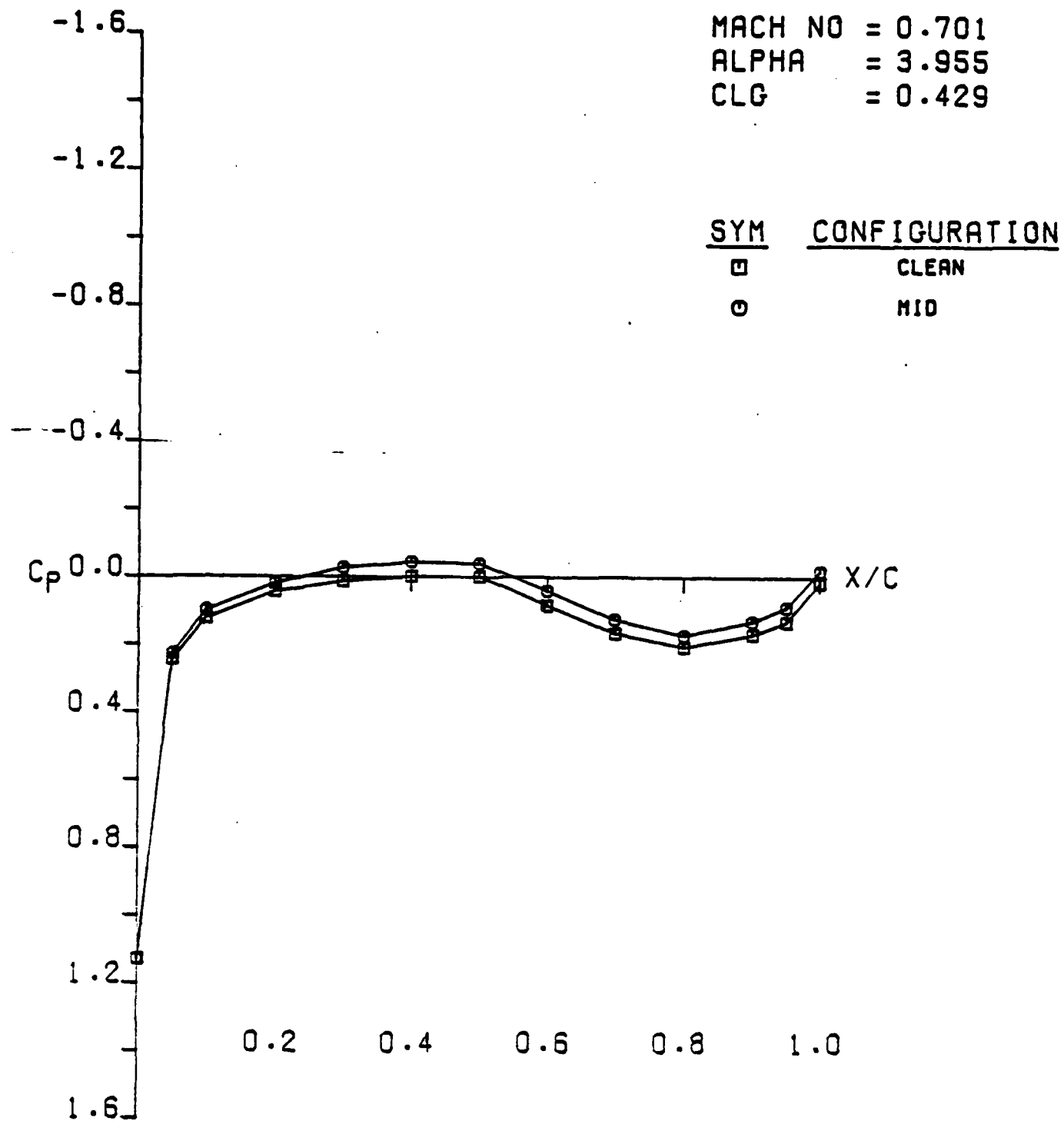
CONDITIONS

MACH NO = 0.701
ALPHA = 3.955
CL = 0.429
CD = 0.027
CM = -0.054
CLG = 0.429

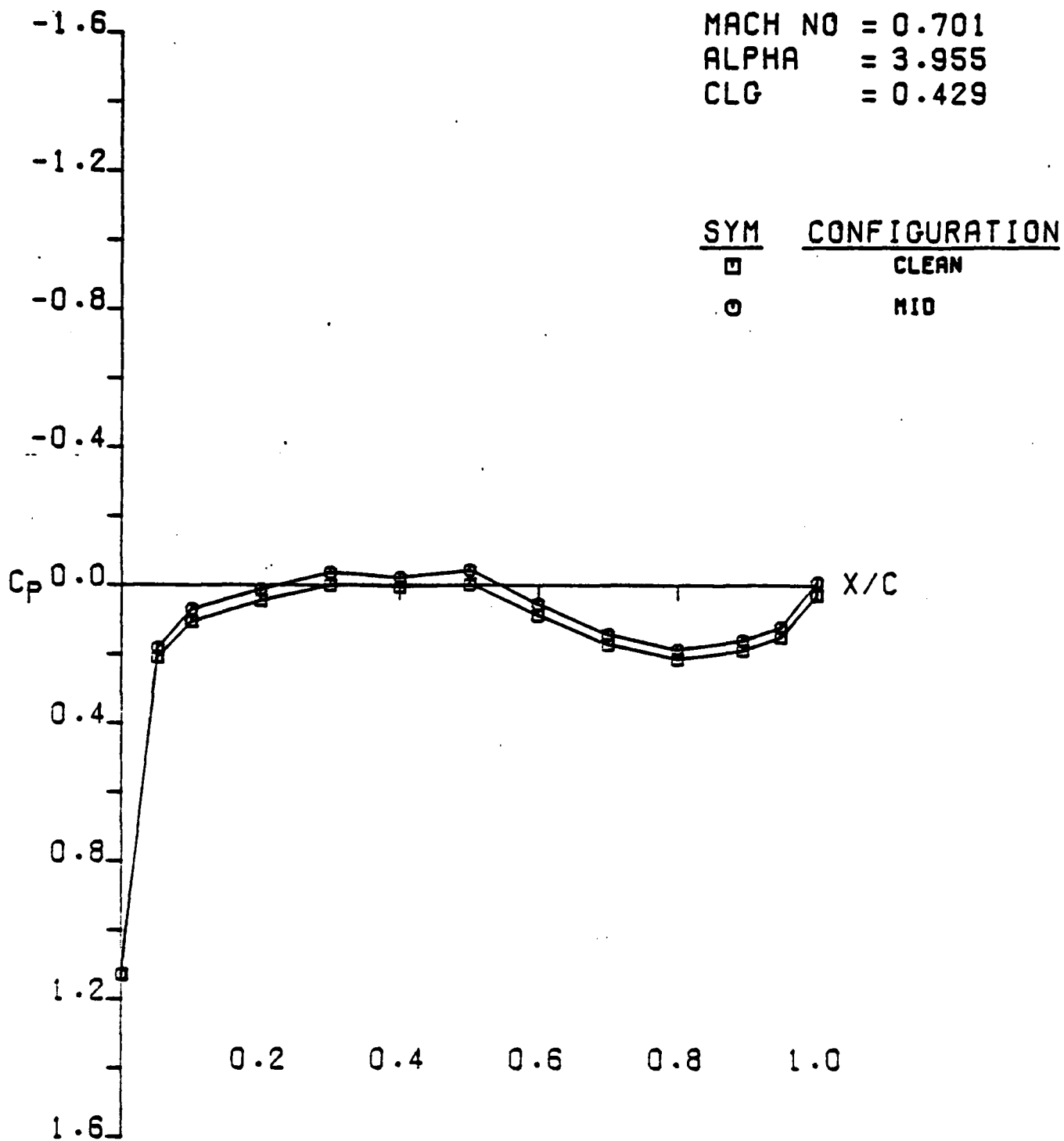
LOCKHEED CFWT SEMI-SPAN TEST, RUN 5
CLN VS MID (LWR SURF)
AFOSR SEMISPAN MODEL B



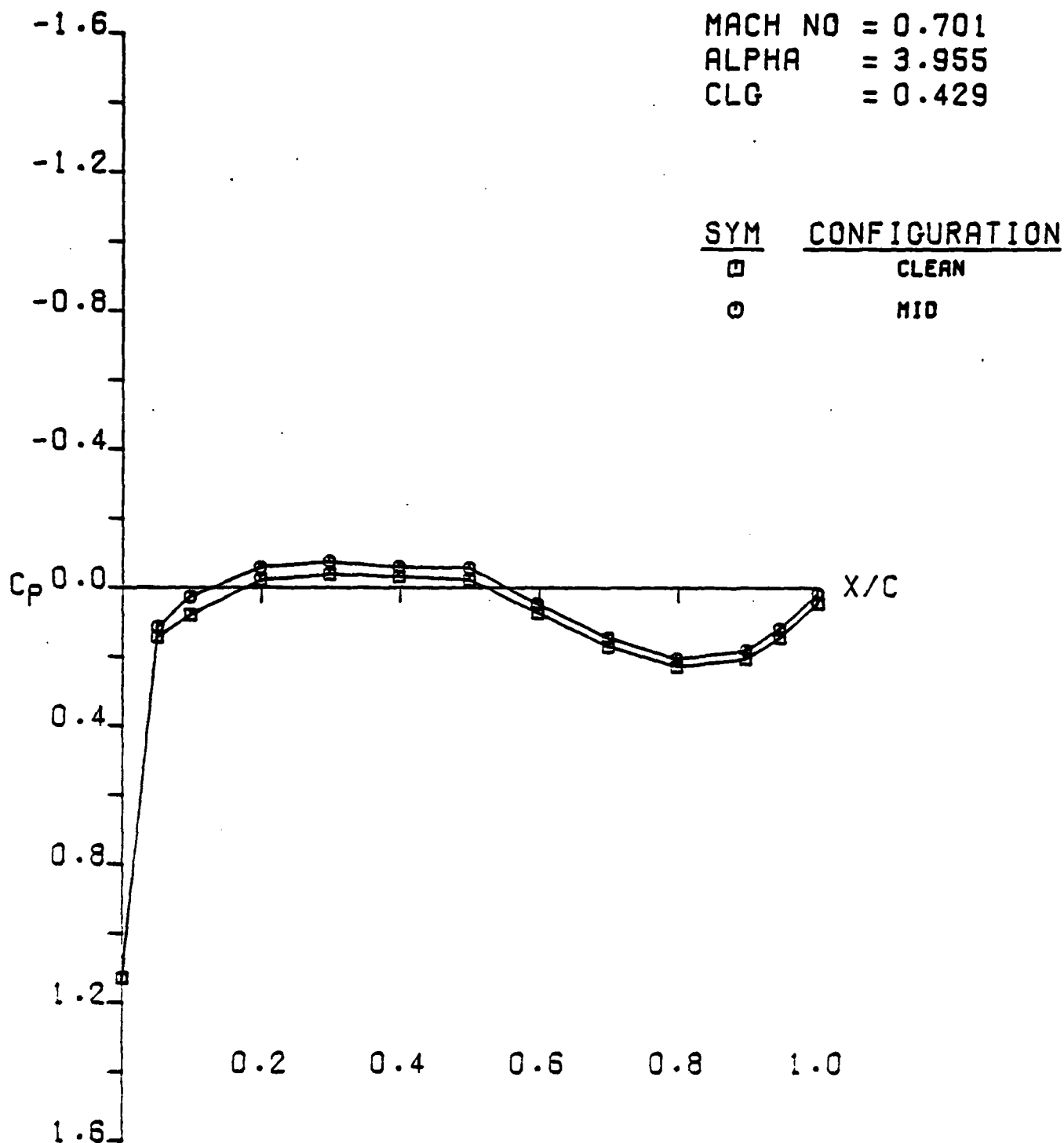
LOCKHEED CFWT SEMI-SPAN TEST, RUN 5
 CLN VS MID (LWR SURF ETA.216)
 AFOSR SEMISPAN MODEL B



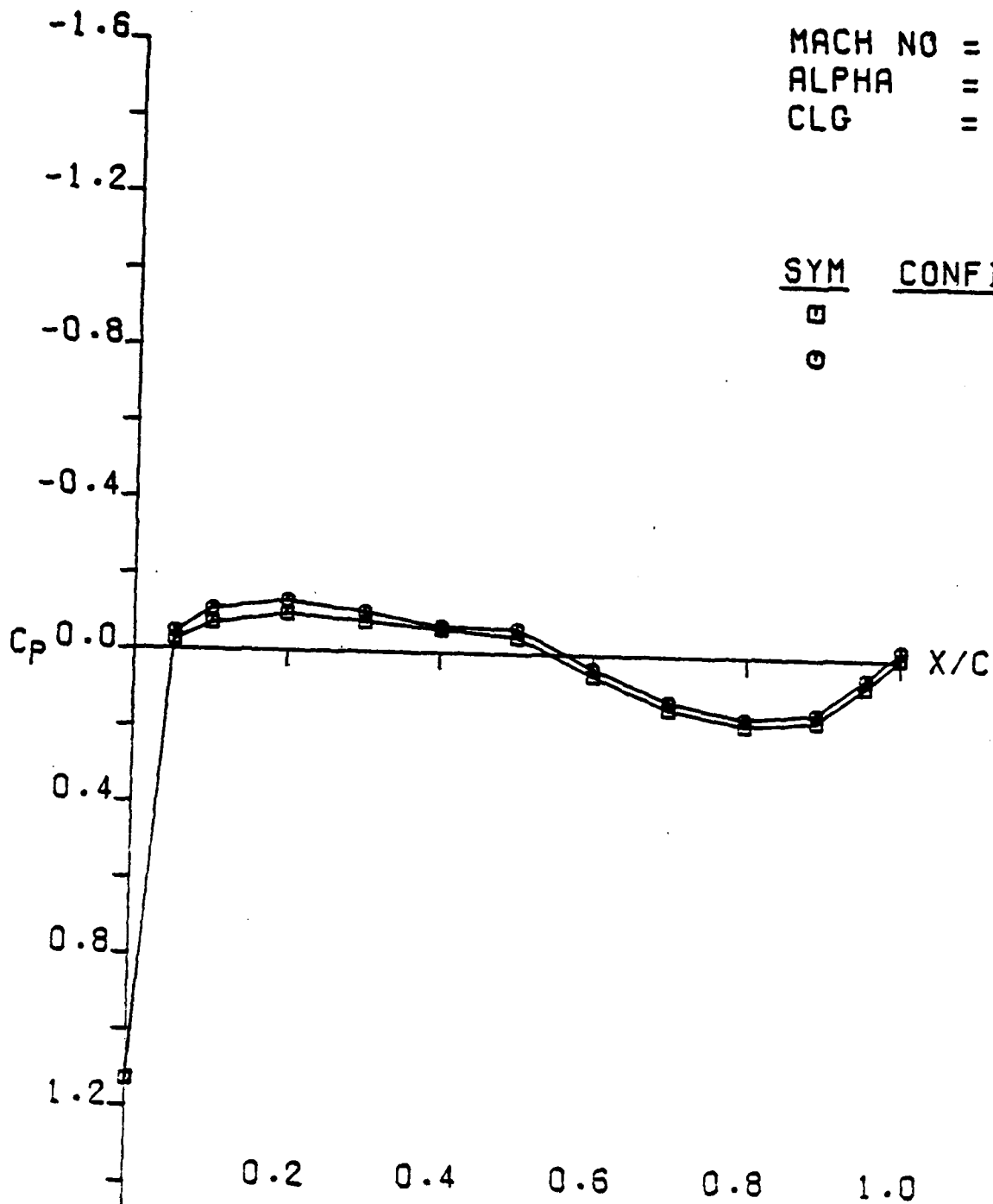
LOCKHEED CFWT SEMI-SPAN TEST, RUN 5
CLN VS MID (LWR SURF ETA.4)
AFOSR SEMISPAN MODEL 8



LOCKHEED CFWT SEMI-SPAN TEST, RUN 5
CLN VS MID (LWR SURF ETA.60)
AFOSR SEMISPAN MODEL B



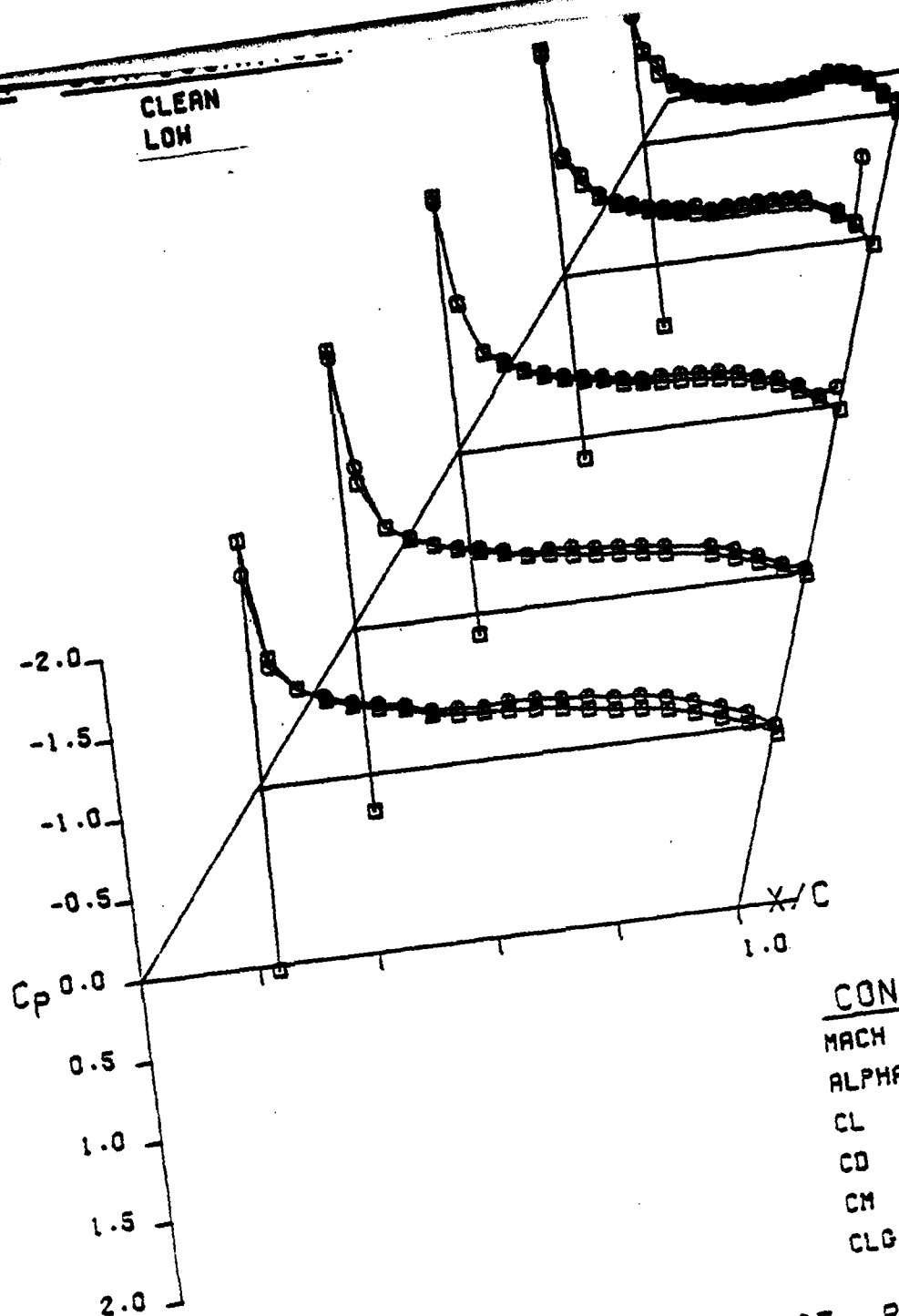
LOCKHEED CFWT SEMI-SPAN TEST, RUN 5
 CLN VS MID (LWR SURF ETA.8)
 AFOSR SEMISPAN MODEL B



MACH NO = 0.701
 ALPHA = 3.955
 CLG = 0.429

SYM	CONFIGURATION
□	CLEAN
○	MID

LOCKHEED CFWT SEMI-SPAN TEST, RUN 5
 CLN VS MID (LWR SURF ETA.95)
 AFOSR SEMISPAN MODEL B

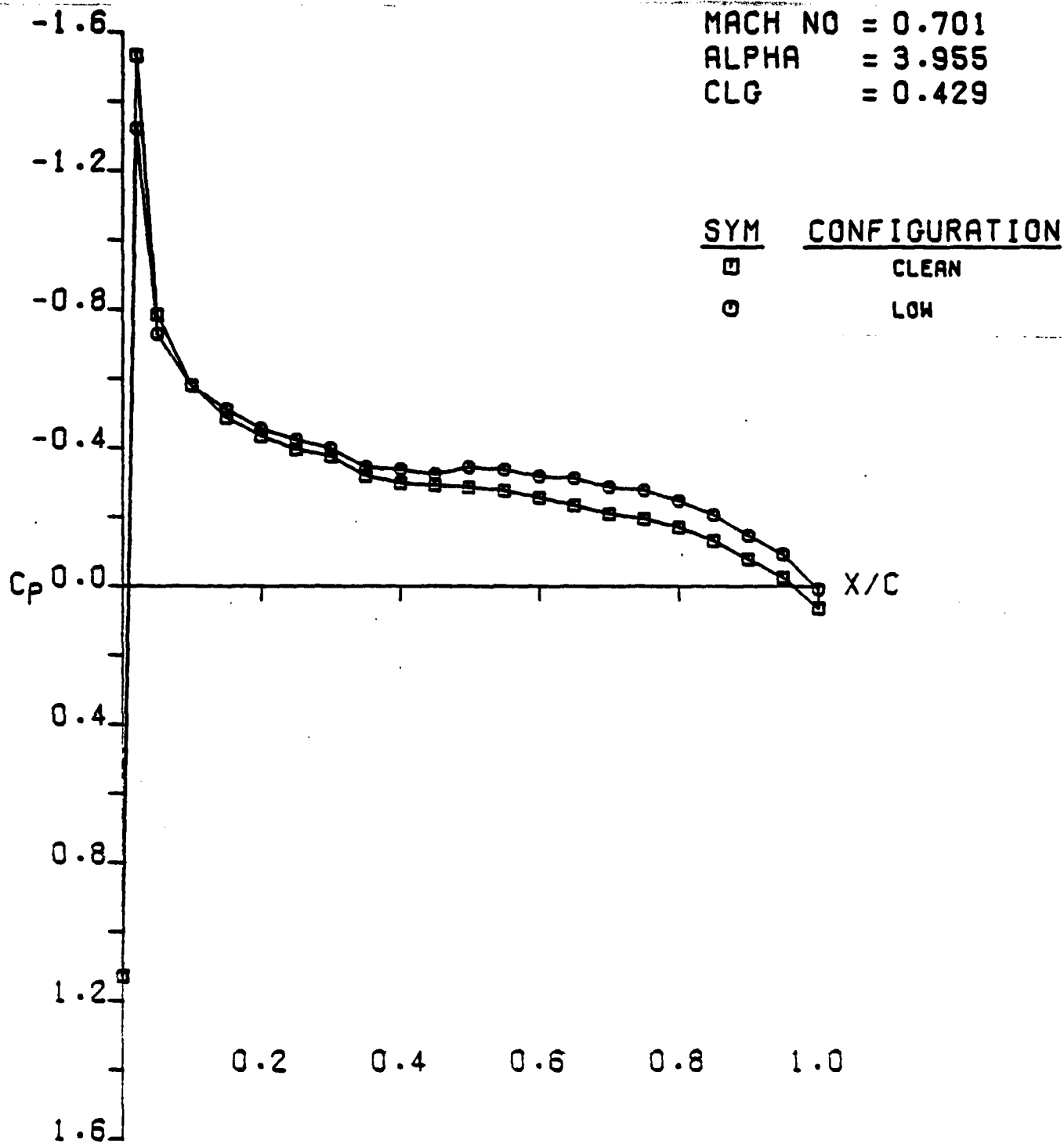


CONDITIONS

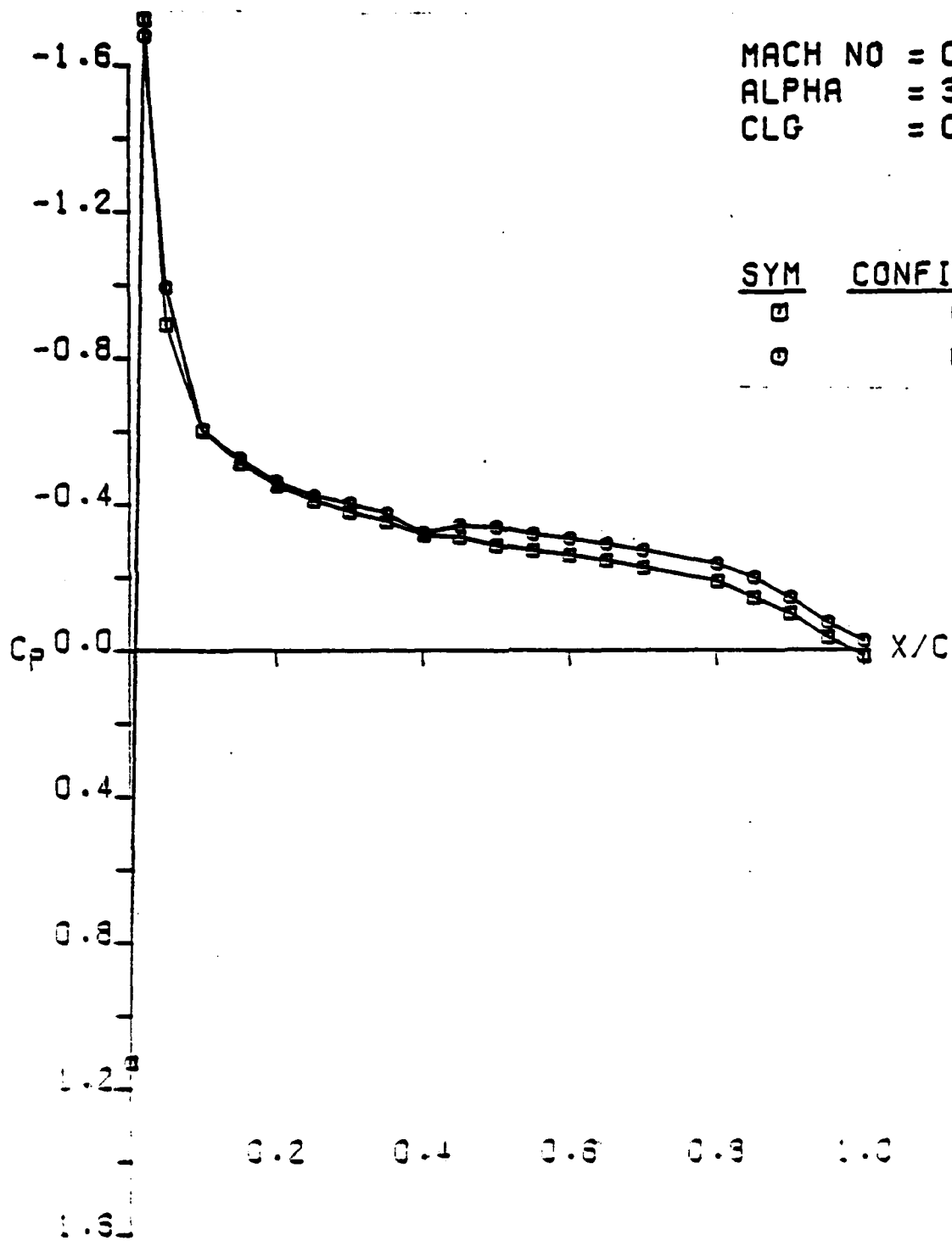
MACH NO	=	0.701
ALPHA	=	3.955
CL	=	0.429
CD	=	0.027
CM	=	-0.054
CLG	=	0.429

LOCKHEED CFWT SEMI-SPAN TEST, RUN 5
CLN VS LOW (UPR SURF)
AFOSR SEMISPAN MODEL B

MACH NO = 0.701
 ALPHA = 3.955
 CLG = 0.429



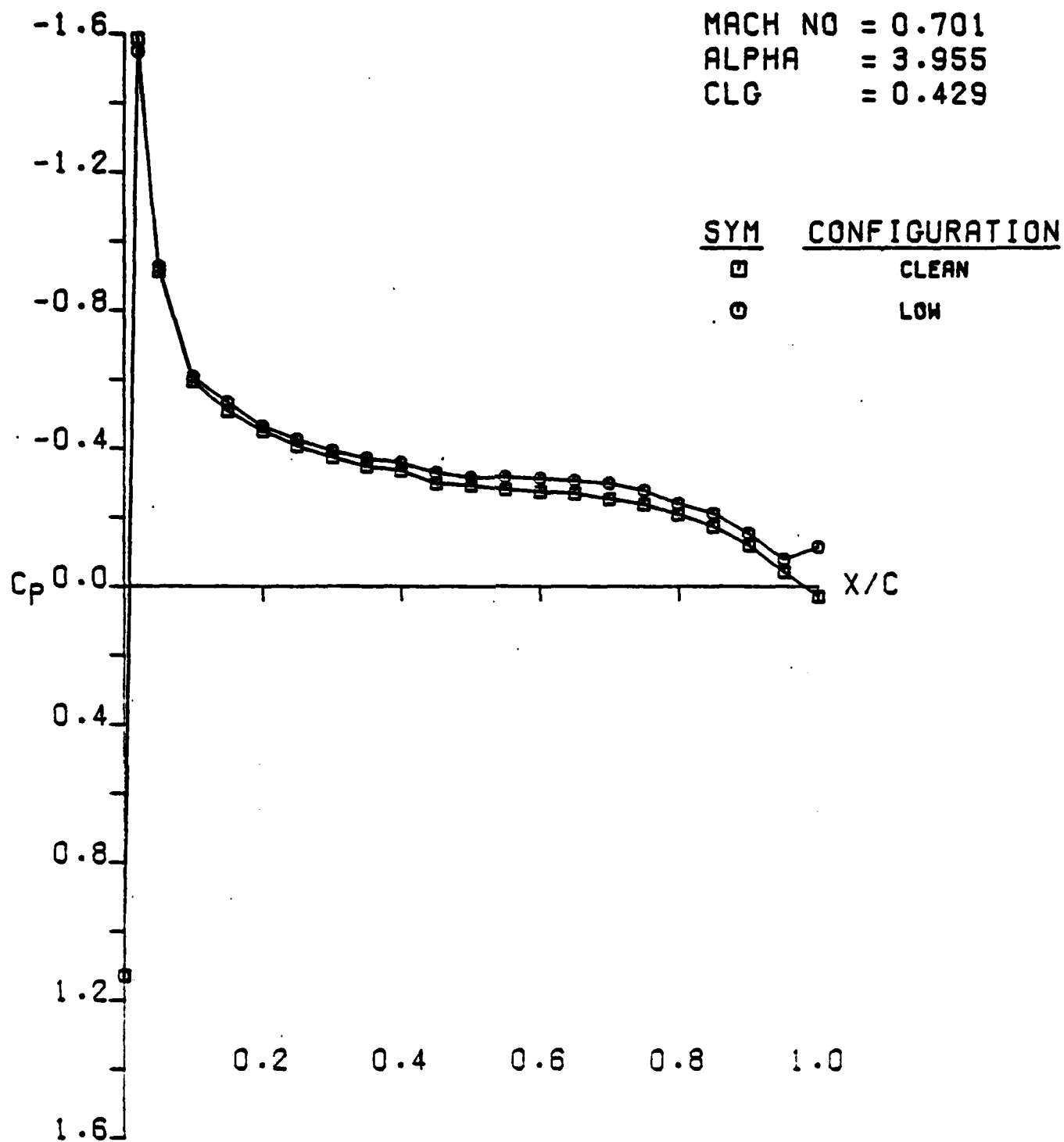
LOCKHEED CFWT SEMI-SPAN TEST, RUN 5
 CLN VS LOW (UPR SURF ETA.216)
 AFOSR SEMISPAN MODEL B



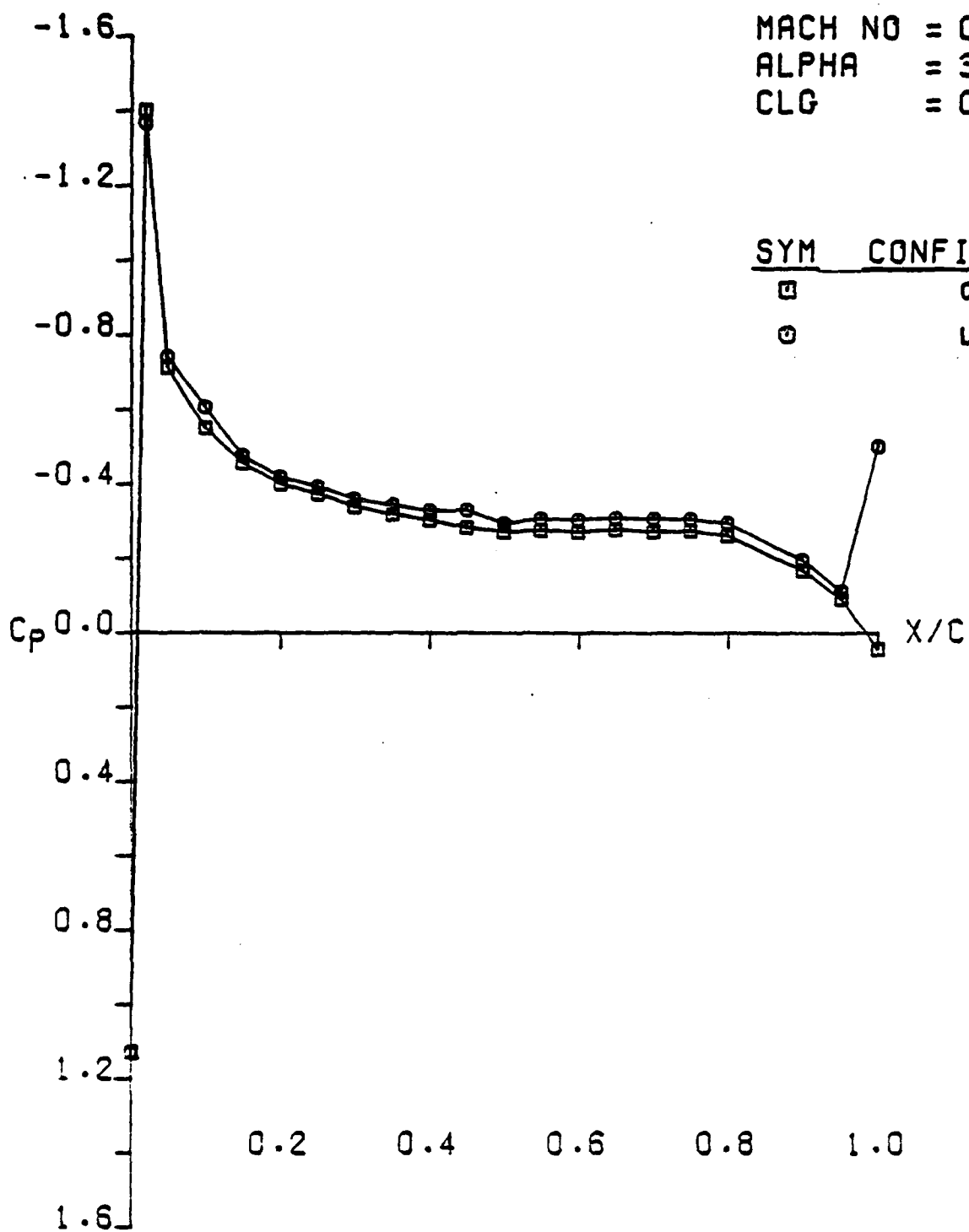
MACH NO = 0.701
 ALPHA = 3.955
 CLG = 0.429

SYM	CONFIGURATION
□	CLEAN
○	LOW

LOCKHEED CFWT SEMI-SPAN TEST, RUN 5
 CLN VS LOW (UPR SURF ETA .40)
 AFOSR SEMISPAN MODEL B

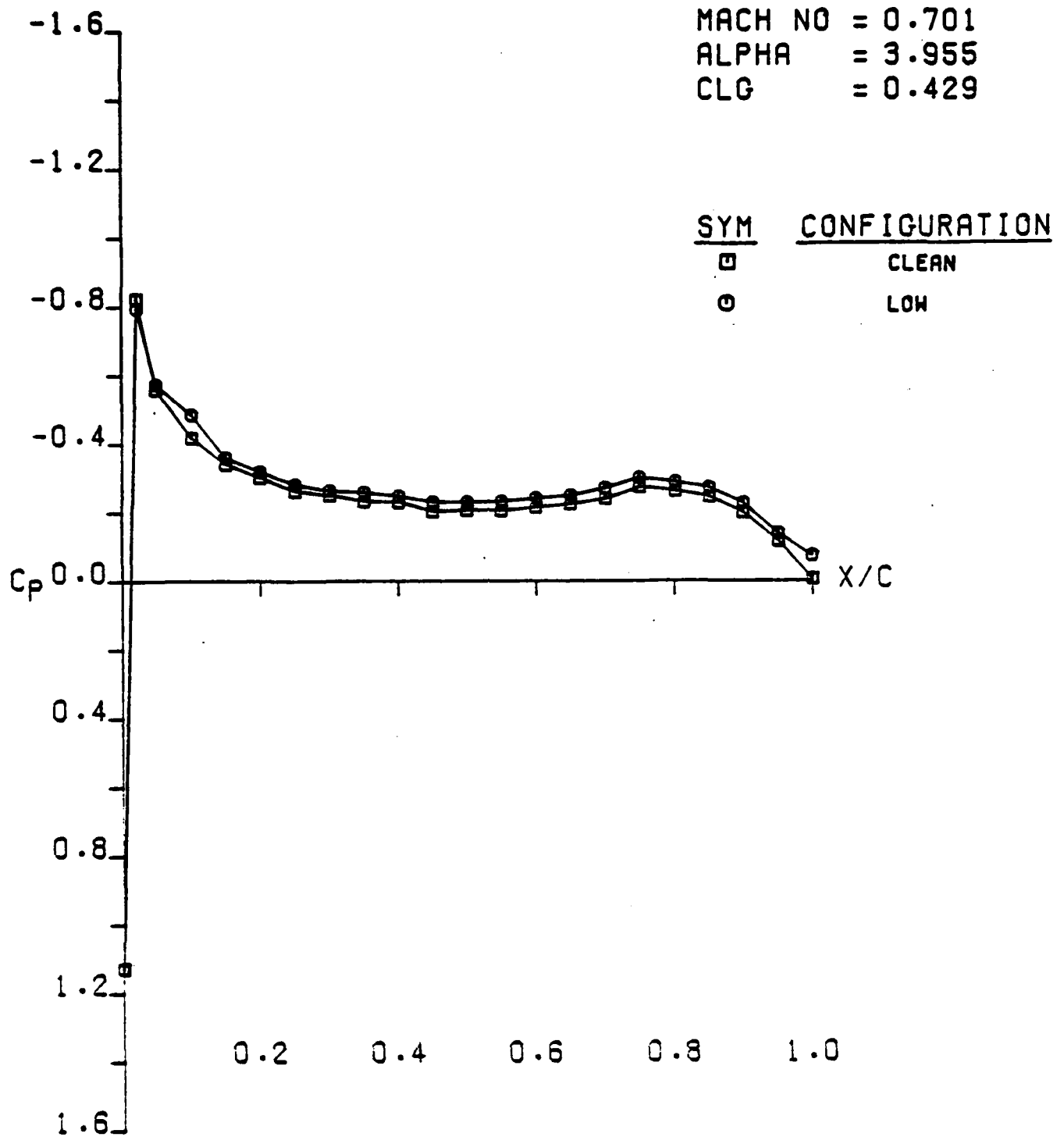


LOCKHEED CFWT SEMI-SPAN TEST, RUN 5
 CLN VS LOW (UPR SURF ETA .60)
 AFOSR SEMISPAN MODEL B



LOCKHEED CFWT SEMI-SPAN TEST, RUN 5
 CLN VS LOW (UPR SURF ETA .8)
 AFOSR SEMISPAN MODEL B

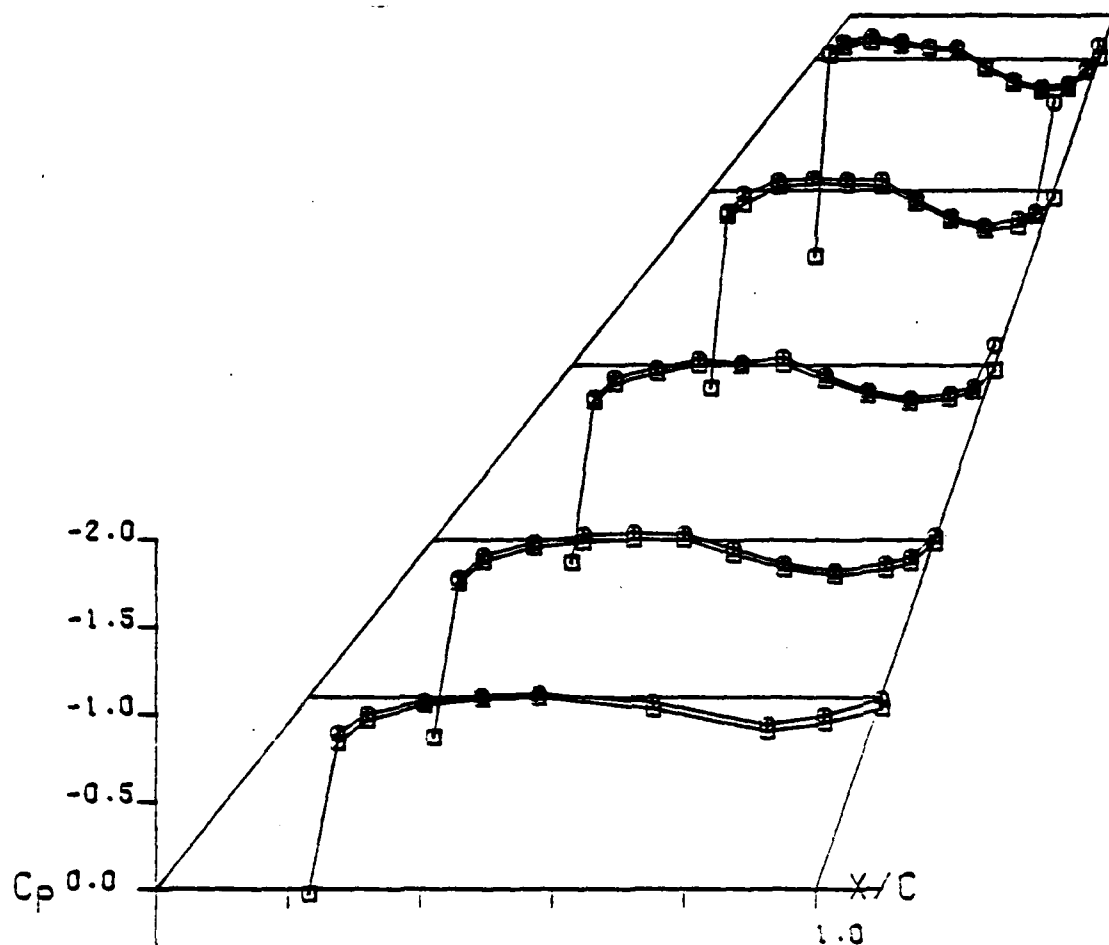
MACH NO = 0.701
 ALPHA = 3.955
 CLG = 0.429



LOCKHEED CFWT SEMI-SPAN TEST, RUN 5
 CLN VS LOW (UPR SURF ETA .95)
 AFOSR SEMISPAN MODEL B

SYM CONFIGURATION

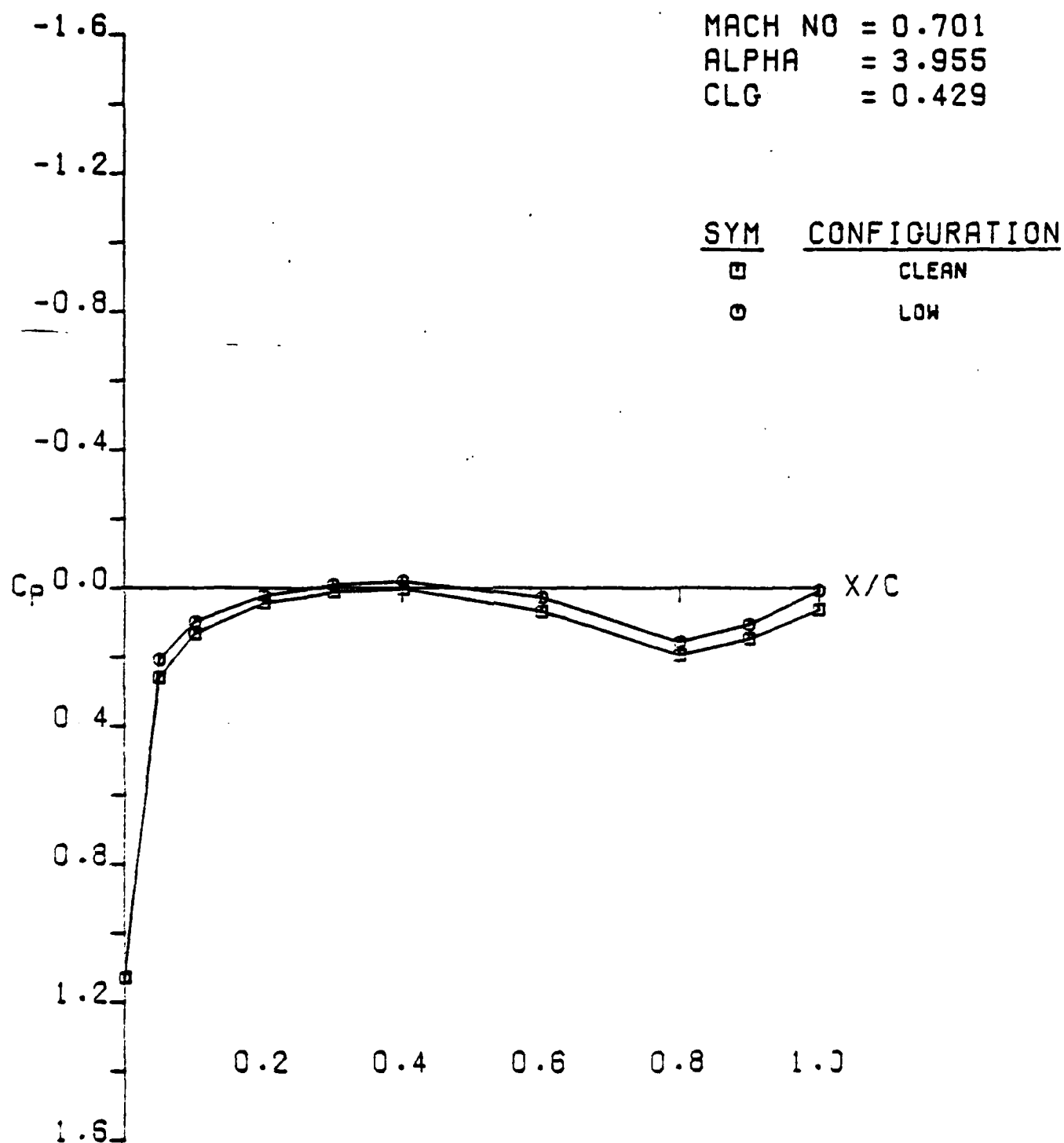
□ CLEAN
○ LOW



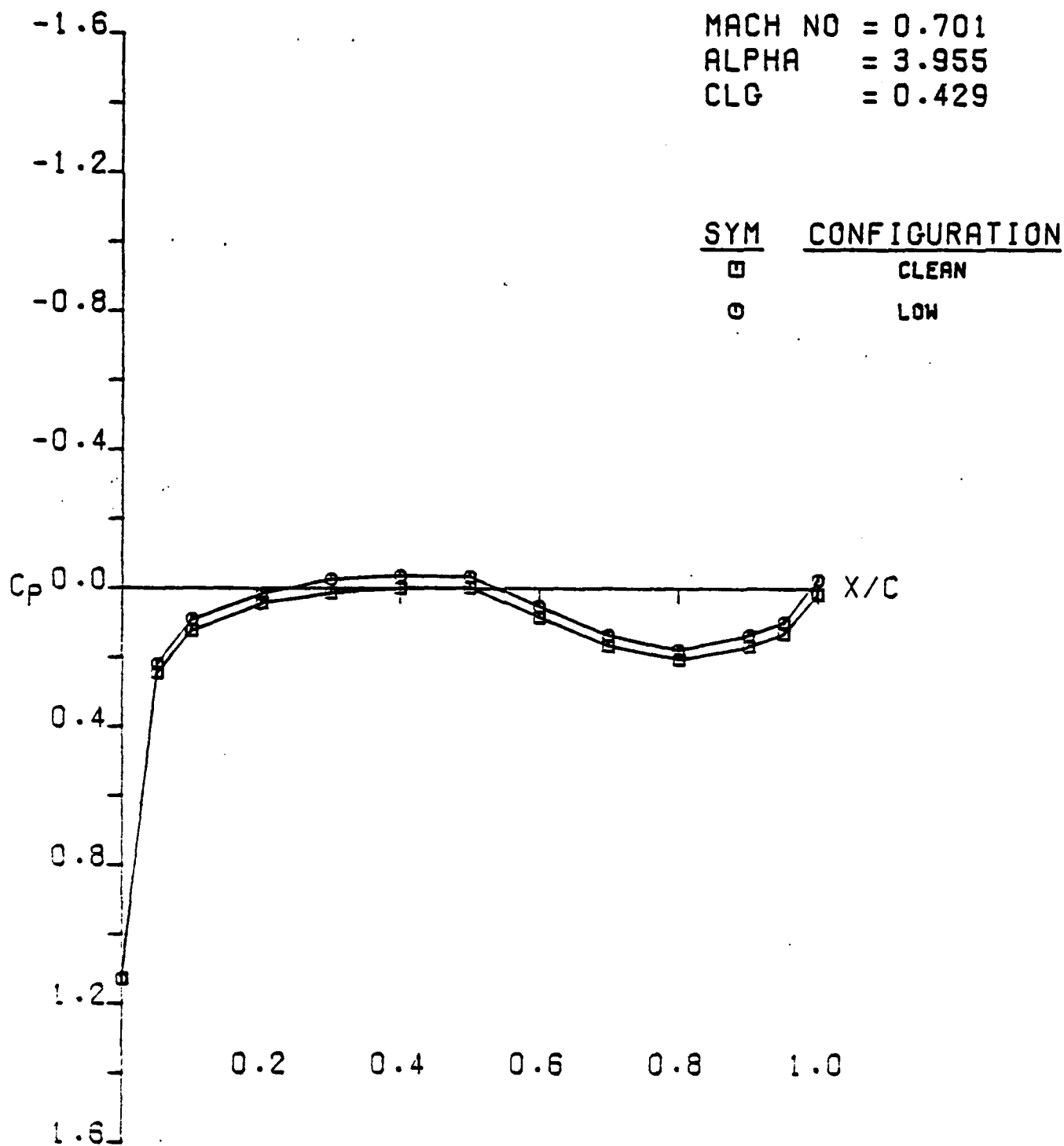
CONDITIONS

MACH NO = 0.701
ALPHA = 3.955
CL = 0.429
CD = 0.027
CM = -0.054
CLG = 0.429

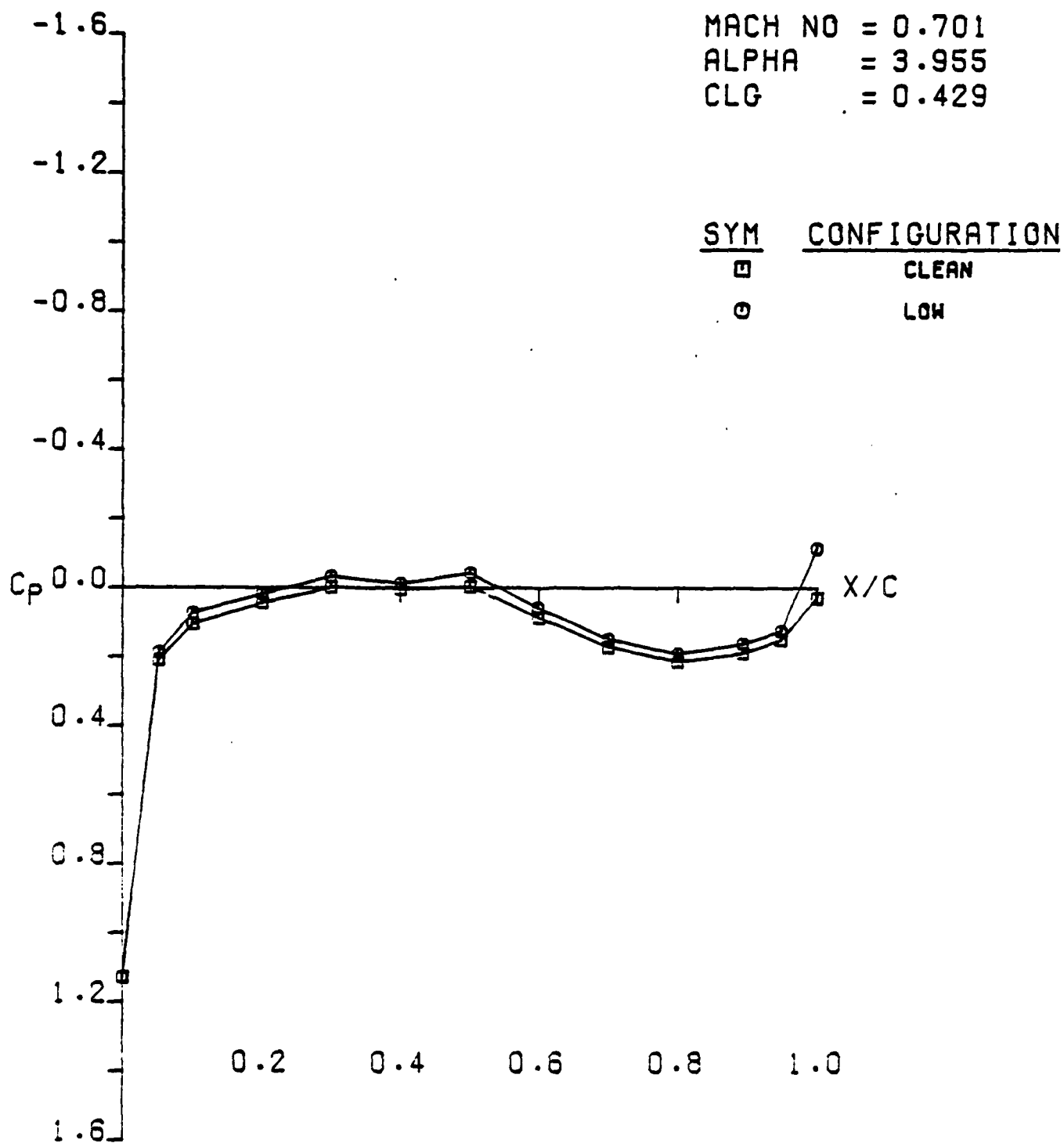
LOCKHEED CFWT SEMI-SPAN TEST, RUN 5
CLN VS LOW (LWR SURF)
AFOSR SEMISPAN MODEL B

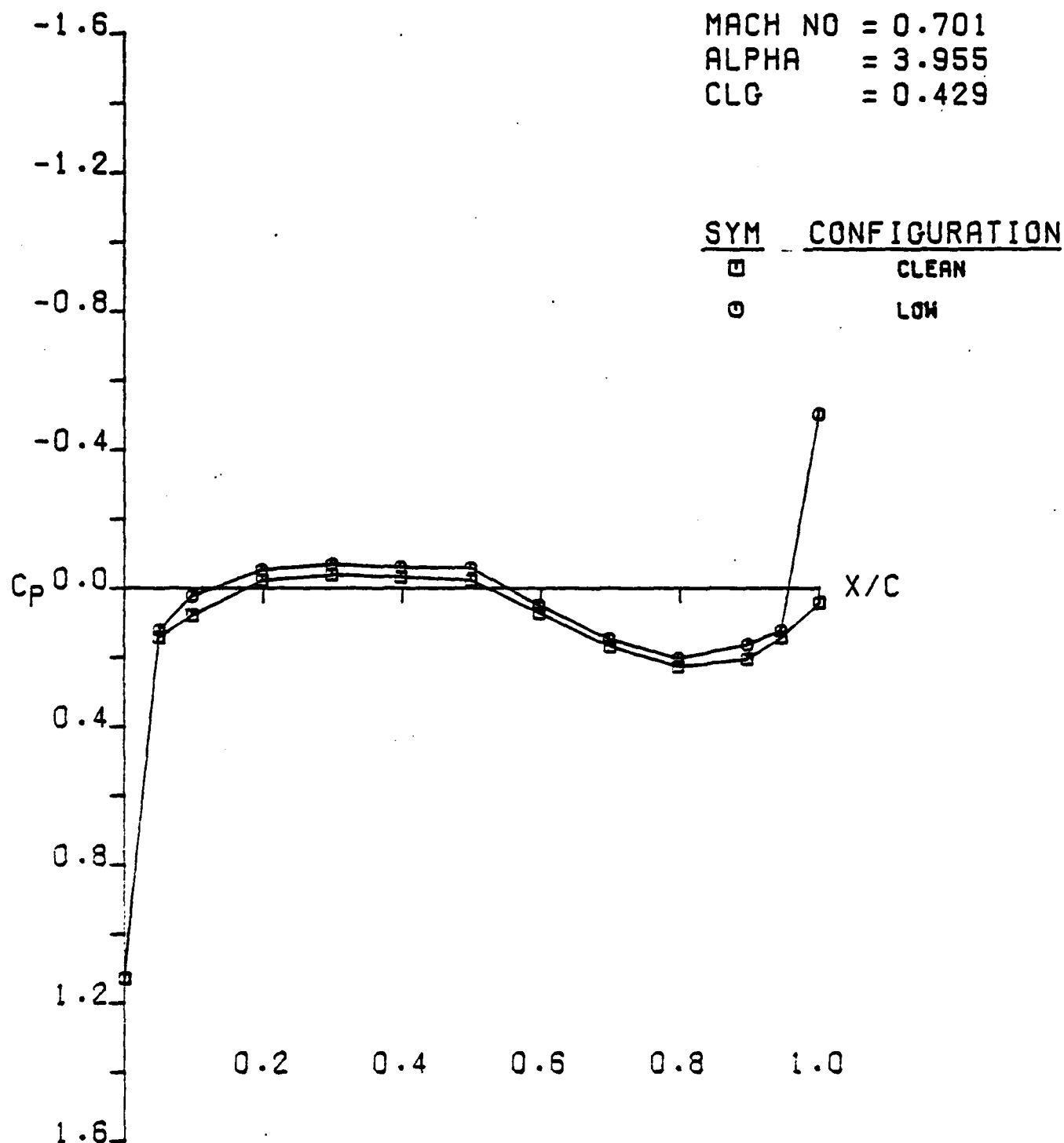


LOCKHEED CFWT SEMI-SPAN TEST, RUN 5
 CLN VS LOW (LWR SURF ETA.216)
 AFOSR SEMISPAN MODEL B

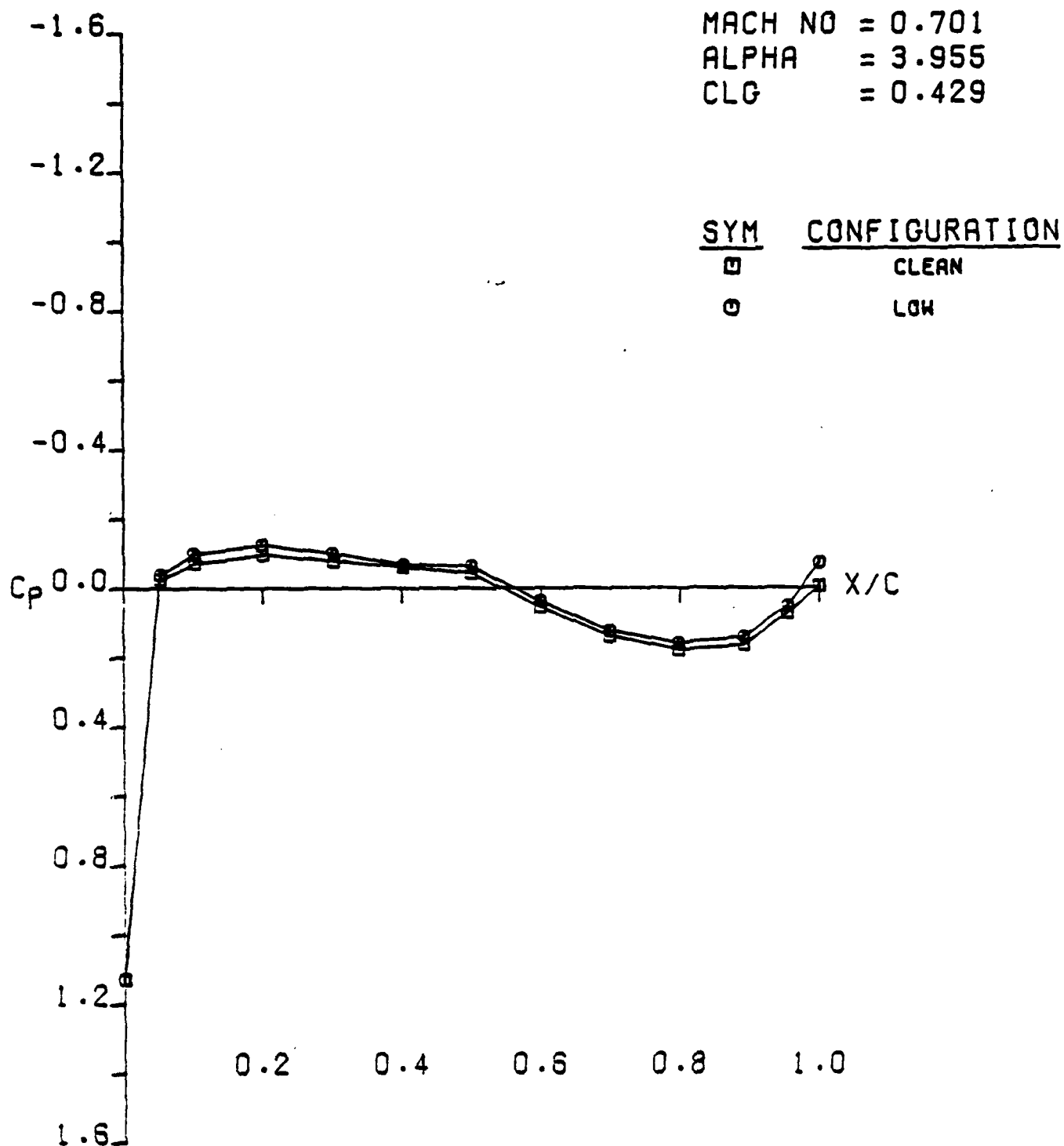


LOCKHEED CFWT SEMI-SPAN TEST, RUN 5
CLN VS LOW (LWR SURF ETA.4)
AFOSR SEMISPAN MODEL B





LOCKHEED CFWT SEMI-SPAN TEST, RUN 5
CLN VS LOW (LWR SURF ETA.8)
AFOSR SEMISPAN MODEL B

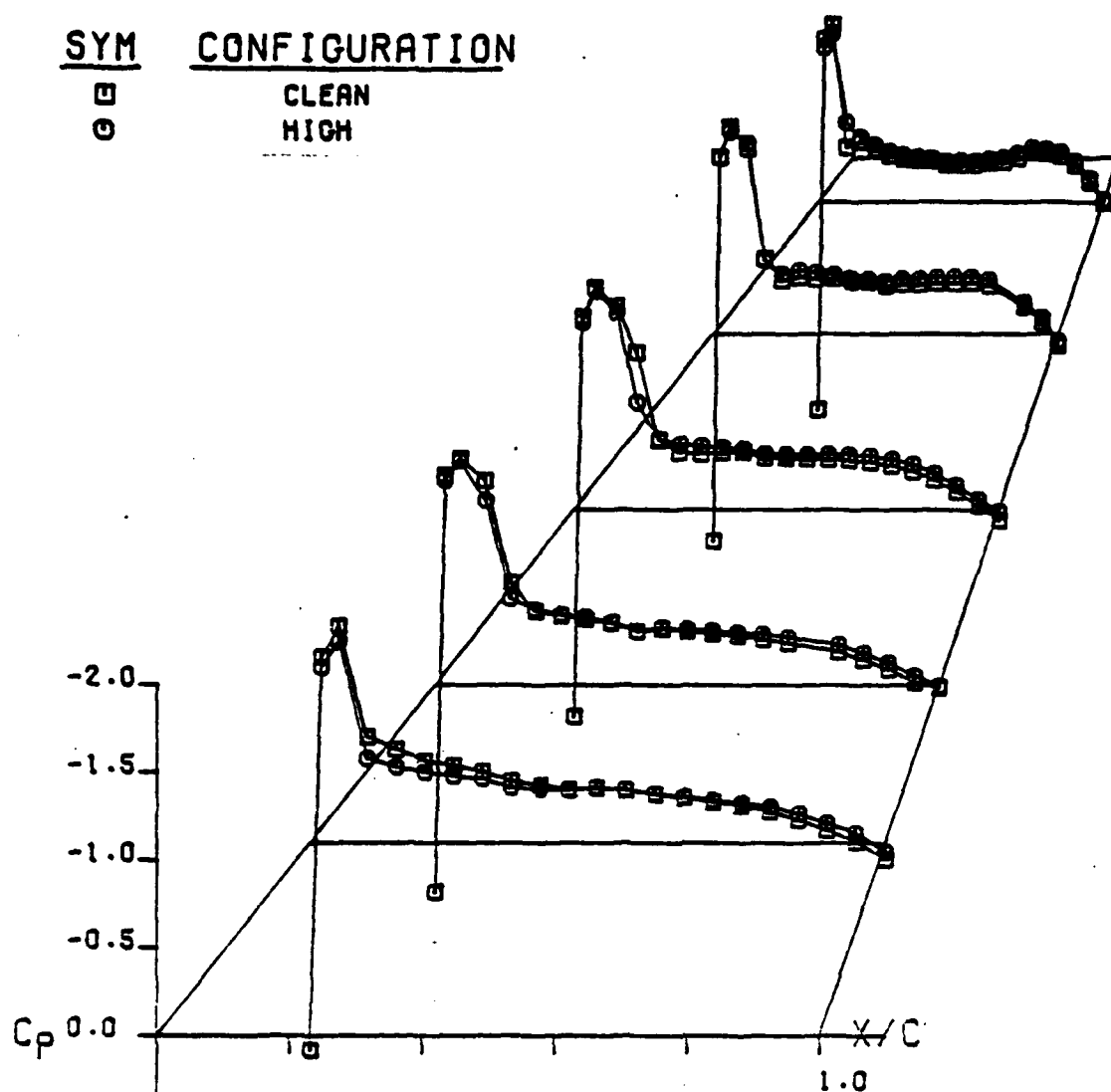


LOCKHEED CFWT SEMI-SPAN TEST, RUN 5
 CLN VS LOW (LWR SURF ETA.95)
 AFOSR SEMISPAN MODEL B

SYM CONFIGURATION

□
○

CLEAN
HIGH

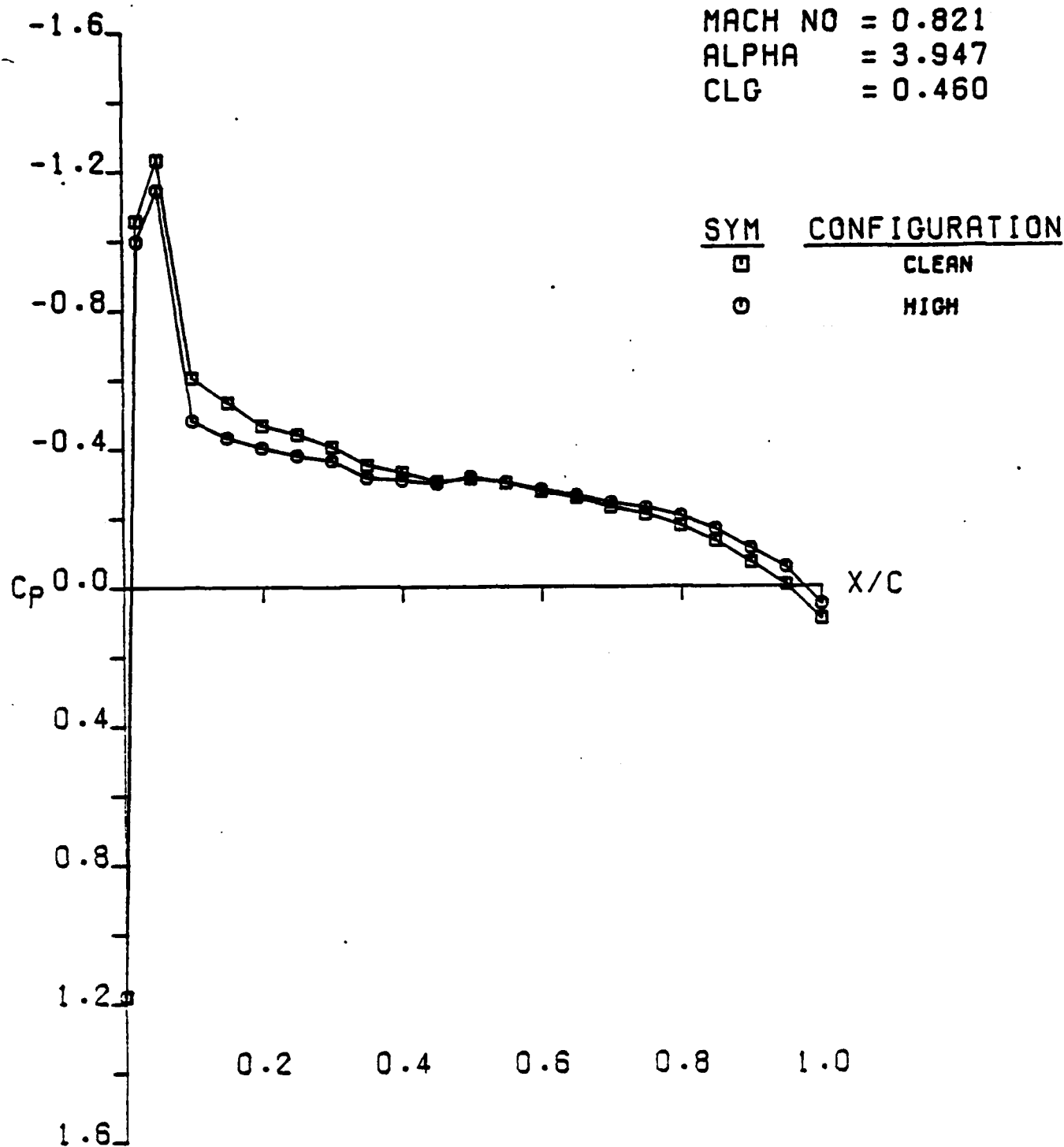


CONDITIONS

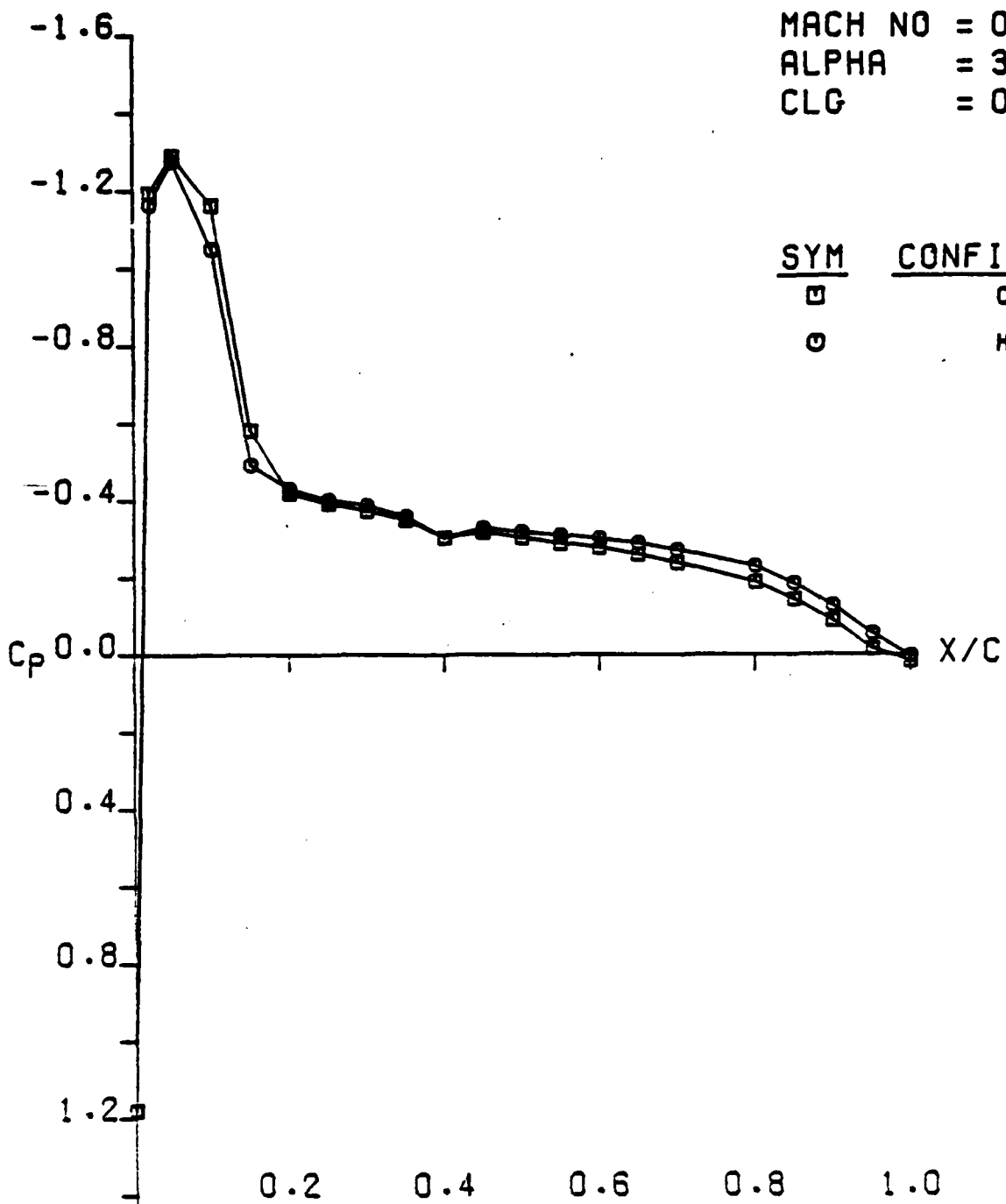
MACH NO = 0.821
ALPHA = 3.947
CL = 0.460
CD = 0.031
CM = -0.063
CLG = 0.460

LOCKHEED CFWT SEMI-SPAN TEST, RUN 47
CLN VS HIGH (UPR SURF)
AFOSR SEMISPAN MODEL B

MACH NO = 0.821
ALPHA = 3.947
CLG = 0.460



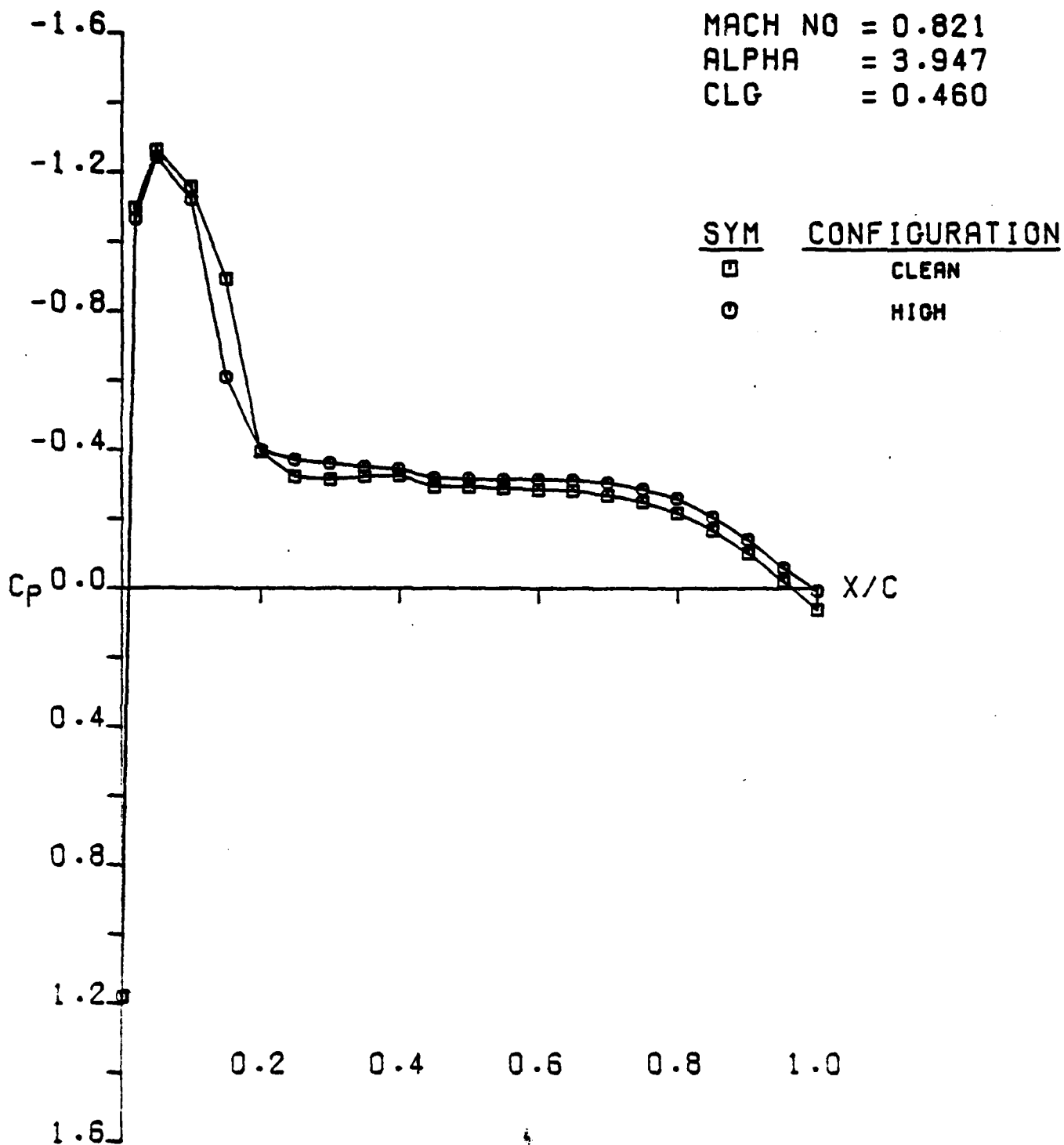
LOCKHEED CFWT SEMI-SPAN TEST, RUN 47
CLN VS HIGH (UPR SURF ETA.216)
AFOSR SEMISPAN MODEL B



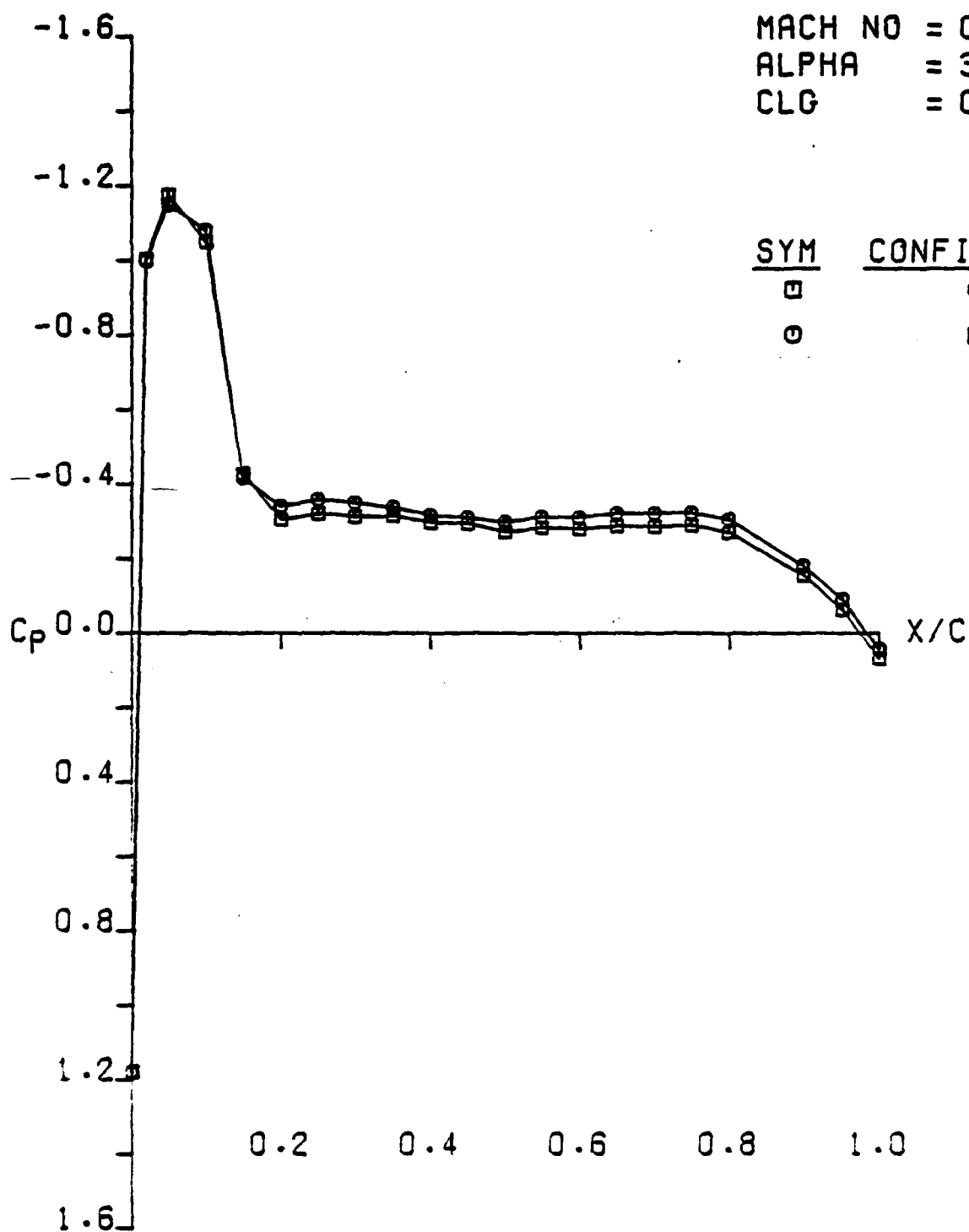
MACH NO = 0.821
 ALPHA = 3.947
 CLG = 0.460

SYM	CONFIGURATION
□	CLEAN
○	HIGH

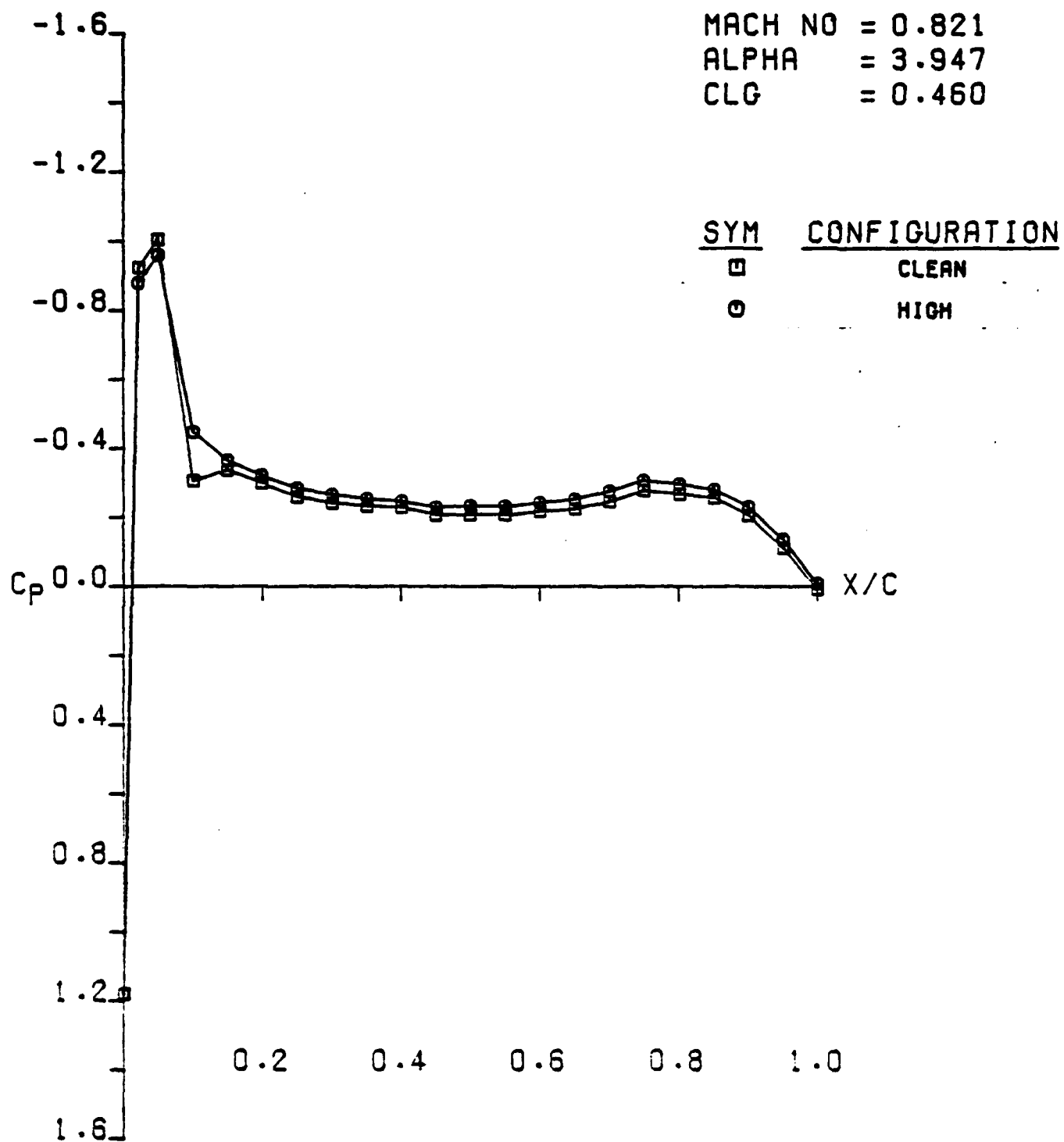
LOCKHEED CFWT SEMI-SPAN TEST, RUN 47
 CLN VS HIGH (UPR SURF ETA .40)
 AFOSR SEMISPAN MODEL B



LOCKHEED CFWT SEMI-SPAN TEST, RUN 47
 CLN VS HIGH (UPR SURF ETA .60)
 AFOSR SEMISPAN MODEL B



LOCKHEED CFWT SEMI-SPAN TEST, RUN 47
 CLN VS HIGH (UPR SURF ETA .8)
 AFOSR SEMISPAN MODEL 8

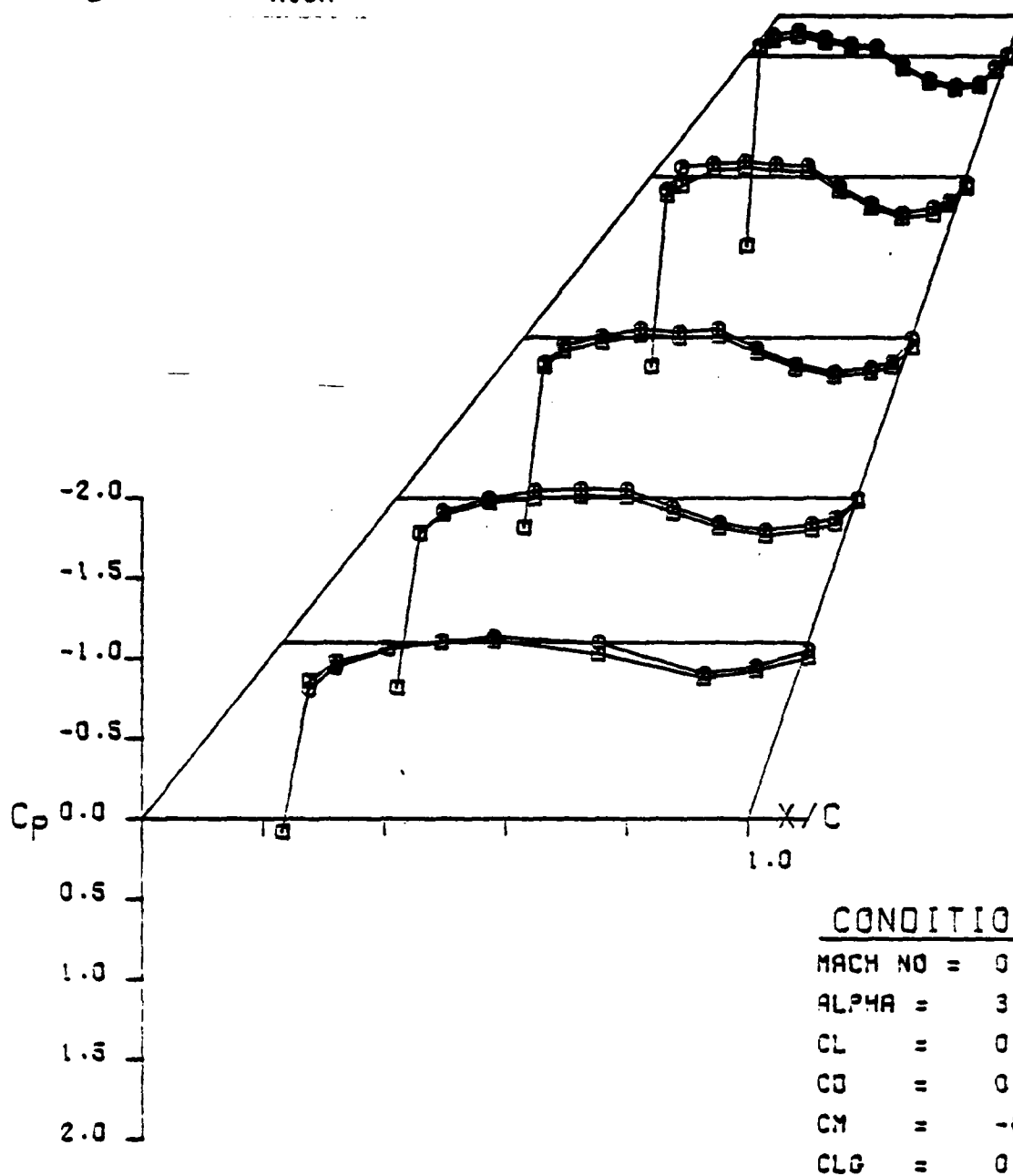


LOCKHEED CFWT SEMI-SPAN TEST, RUN 47
CLN VS HIGH (UPR SURF ETA .95)
AFOSR SEMISPAN MODEL B

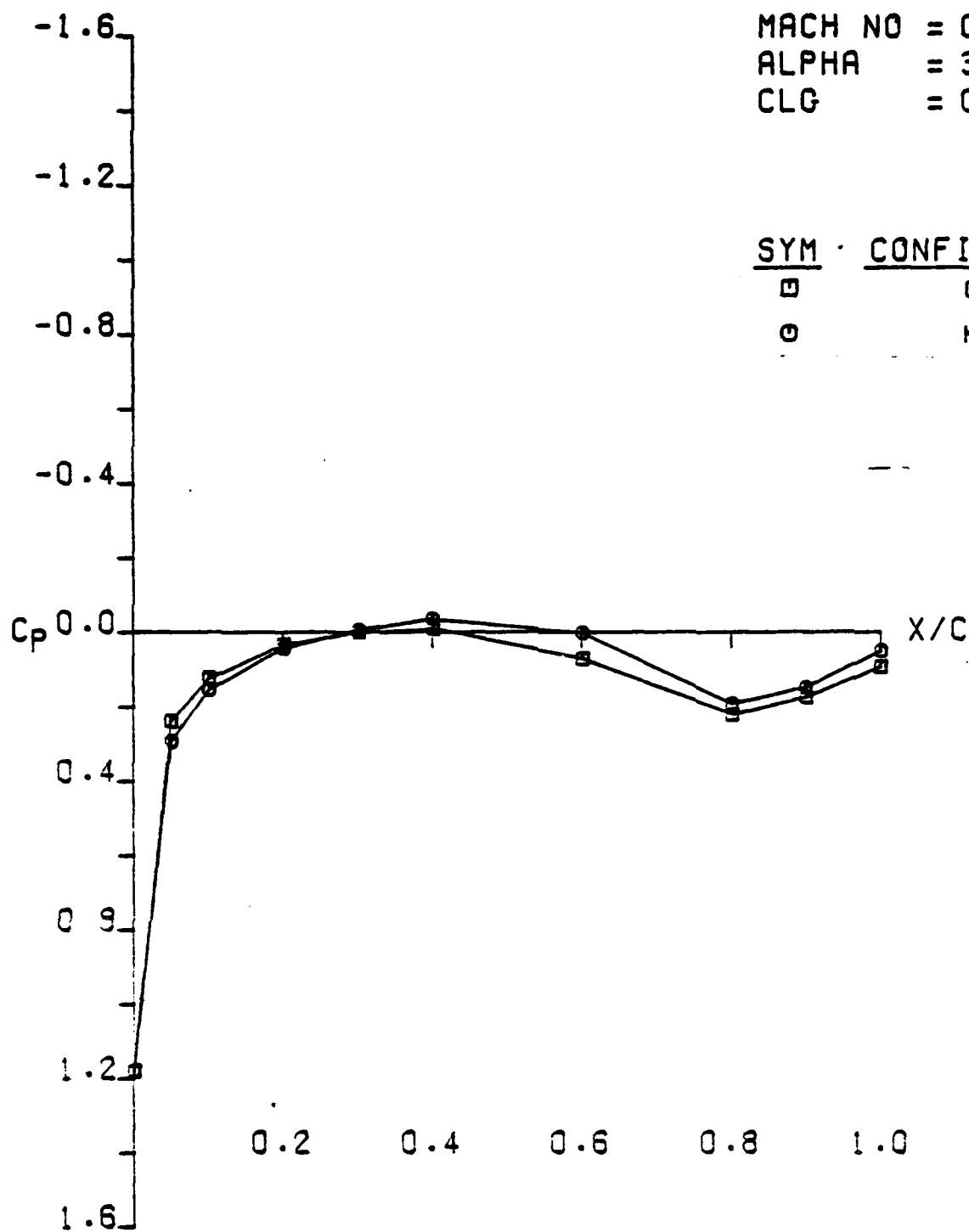
SYM CONFIGURATION

□
○

CLEAN
HIGH



LOCKHEED CFWT SEMI-SPAN TEST, RUN 47
CLN VS HIGH (LWR SURF)
AFJSR SEMISPAN MODEL B



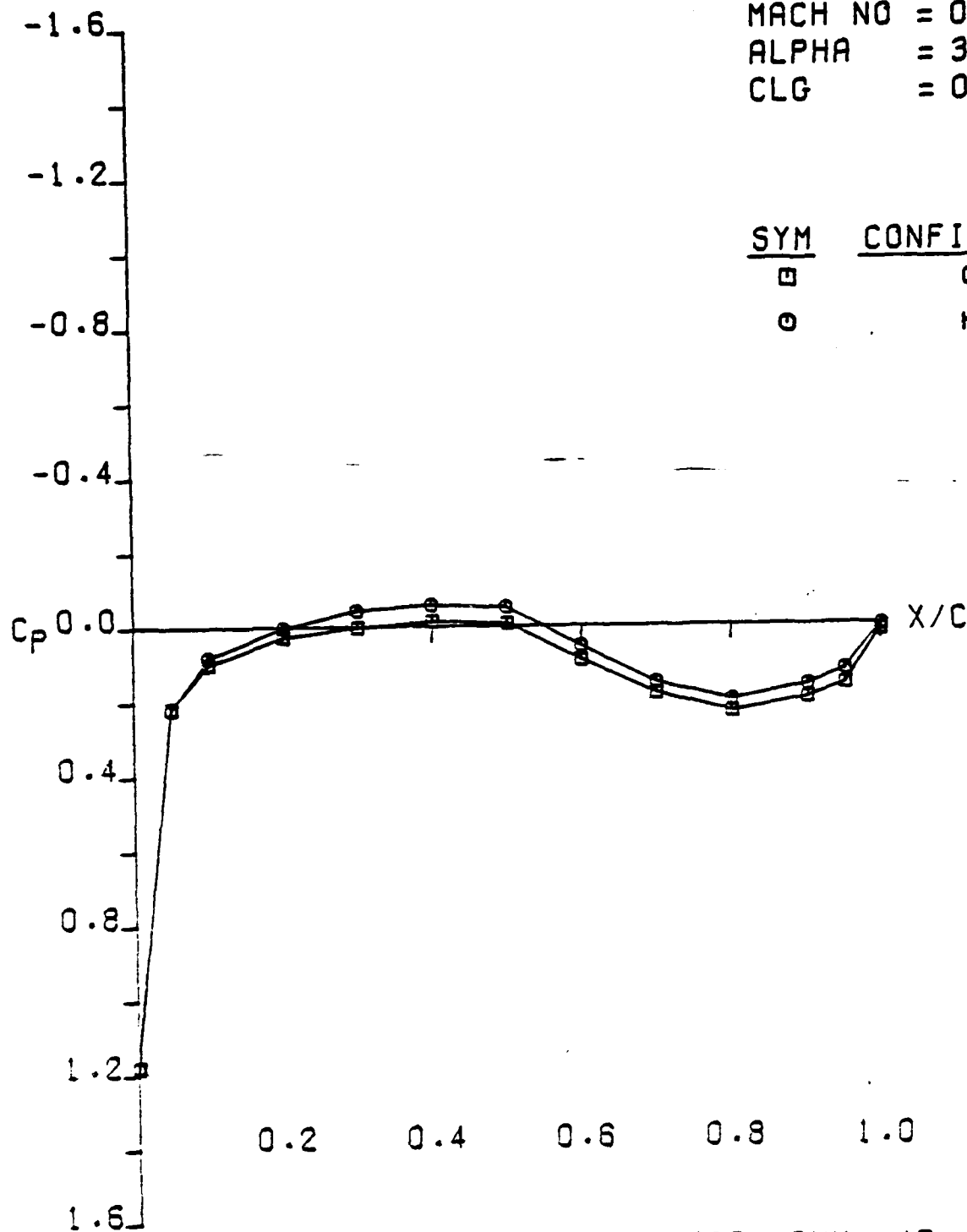
MACH NO = 0.821
 ALPHA = 3.947
 CLG = 0.460

SYM	CONFIGURATION
□	CLEAN
○	HIGH

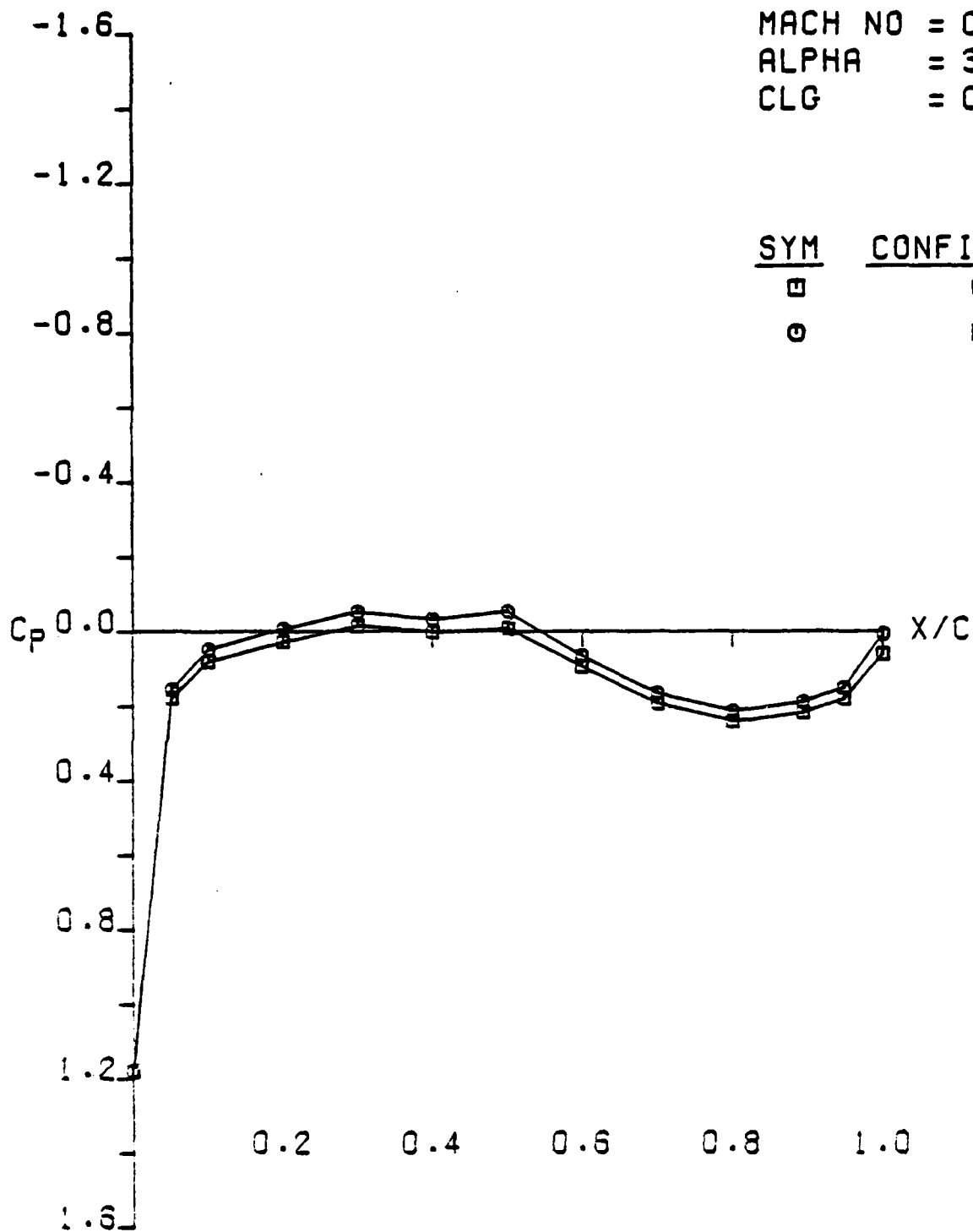
LOCKHEED CFWT SEMI-SPAN TEST, RUN 47
 CLN VS HIGH (LWR SURF ETA.216)
 AFOSR SEMISPAN MODEL B

MACH NO = 0.821
 ALPHA = 3.947
 CLG = 0.460

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	HIGH



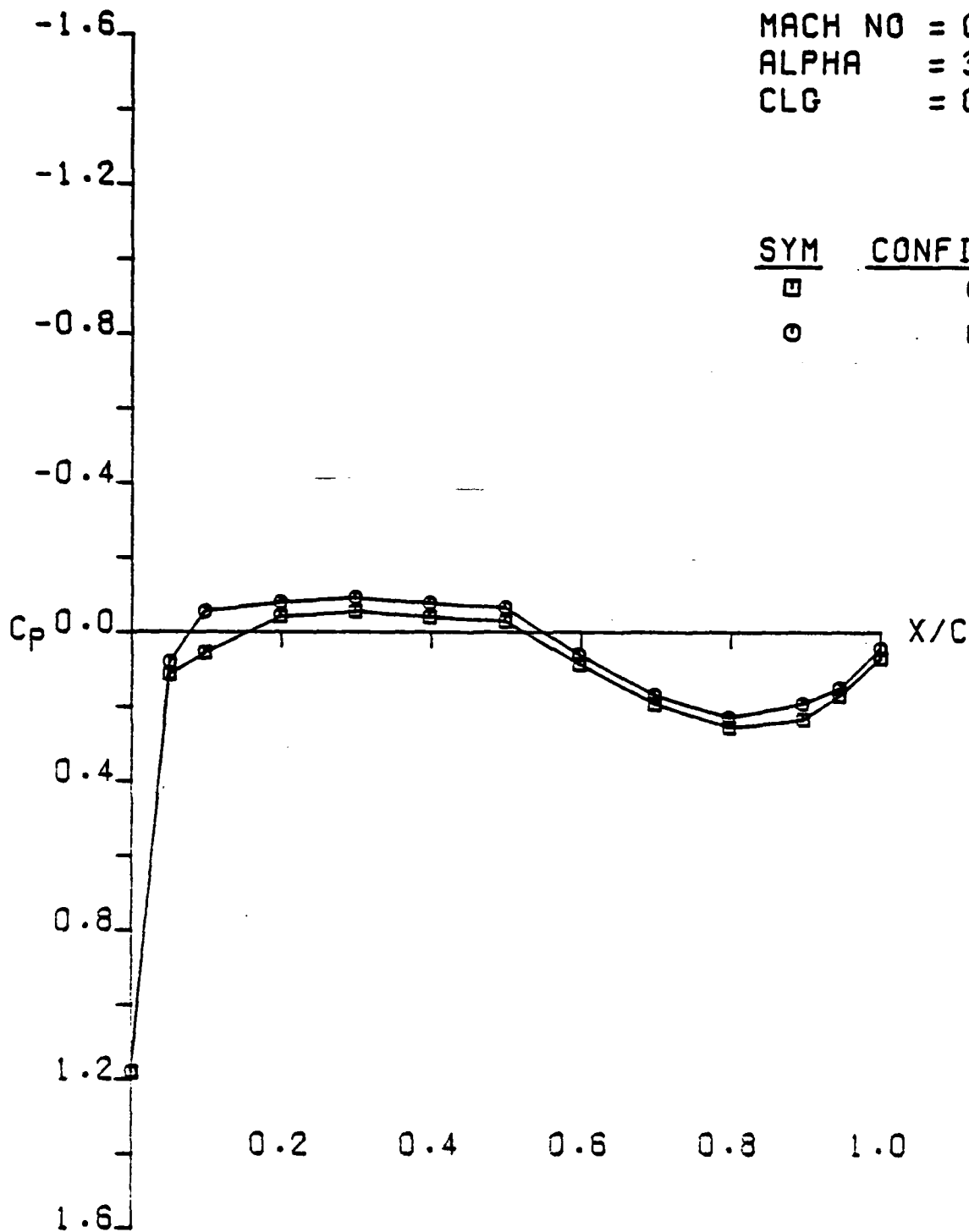
LOCKHEED CFWT SEMI-SPAN TEST. RUN 47
 CLN VS HIGH (LWR SURF ETA.4)
 AFOSR SEMISPAN MODEL B



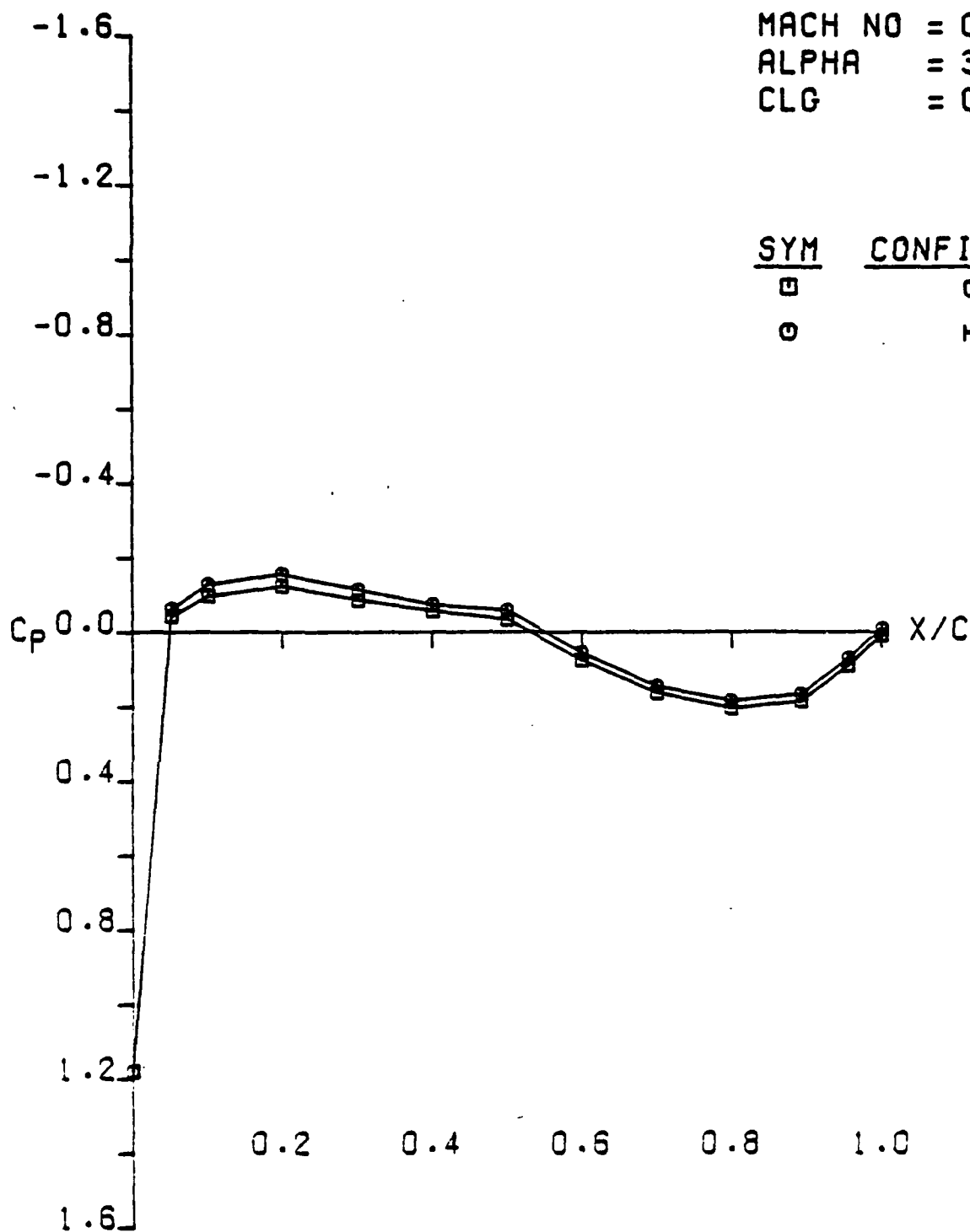
LOCKHEED CFWT SEMI-SPAN TEST. RUN 47
 CLN VS HIGH (LWR SURF ETA.60)
 AFOSR SEMISPAN MODEL B

MACH NO = 0.821
 ALPHA = 3.947
 CLG = 0.460

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	HIGH



LOCKHEED CFWT SEMI-SPAN TEST. RUN 47
 CLN VS HIGH (LWR SURF ETA.8)
 AFOSR SEMISPAN MODEL B

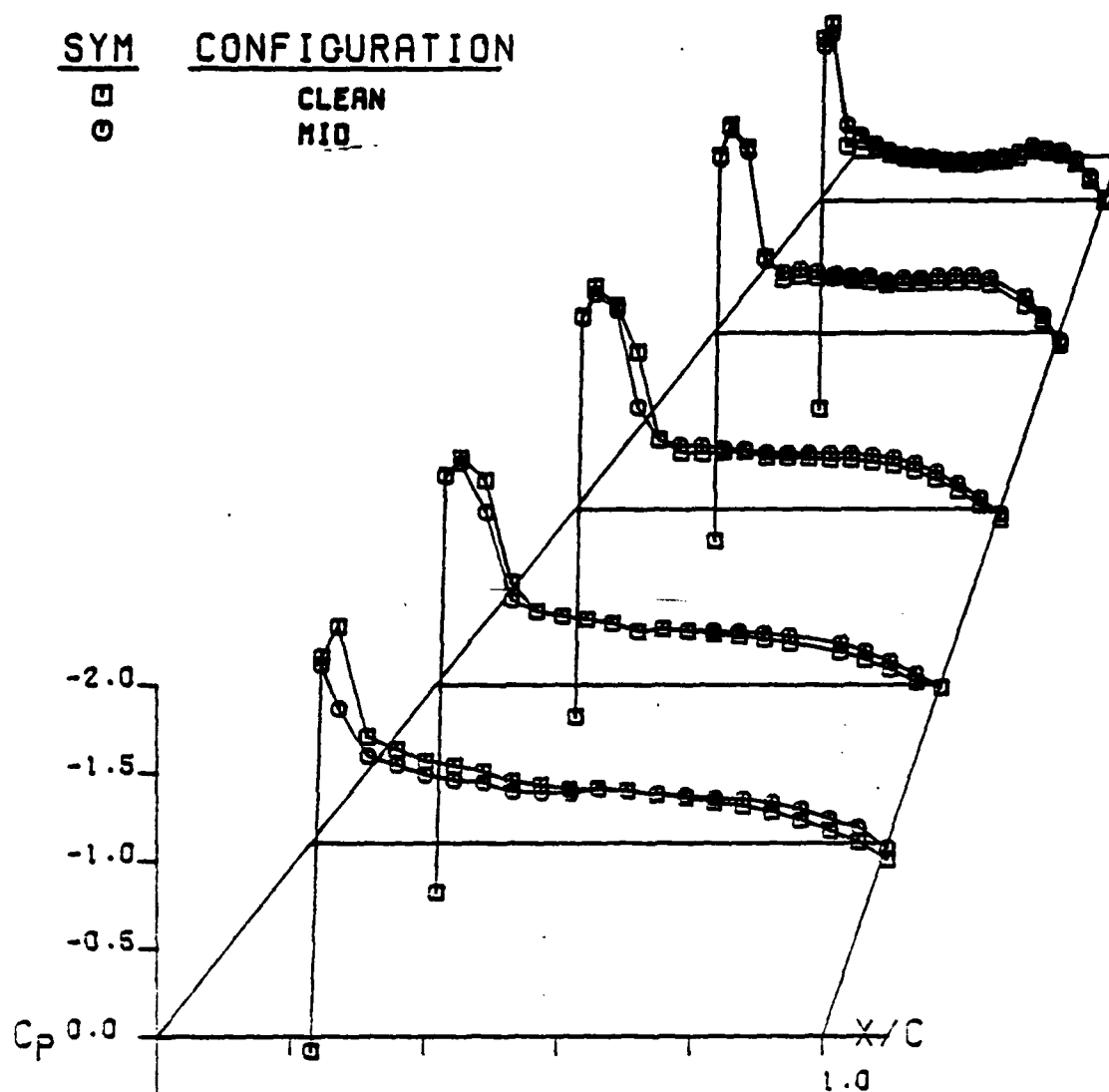


LOCKHEED CFWT SEMI-SPAN TEST, RUN 47
 CLN VS HIGH (LWR SURF ETA.95)
 AFOSR SEMISPAN MODEL 8

SYM CONFIGURATION

□
○

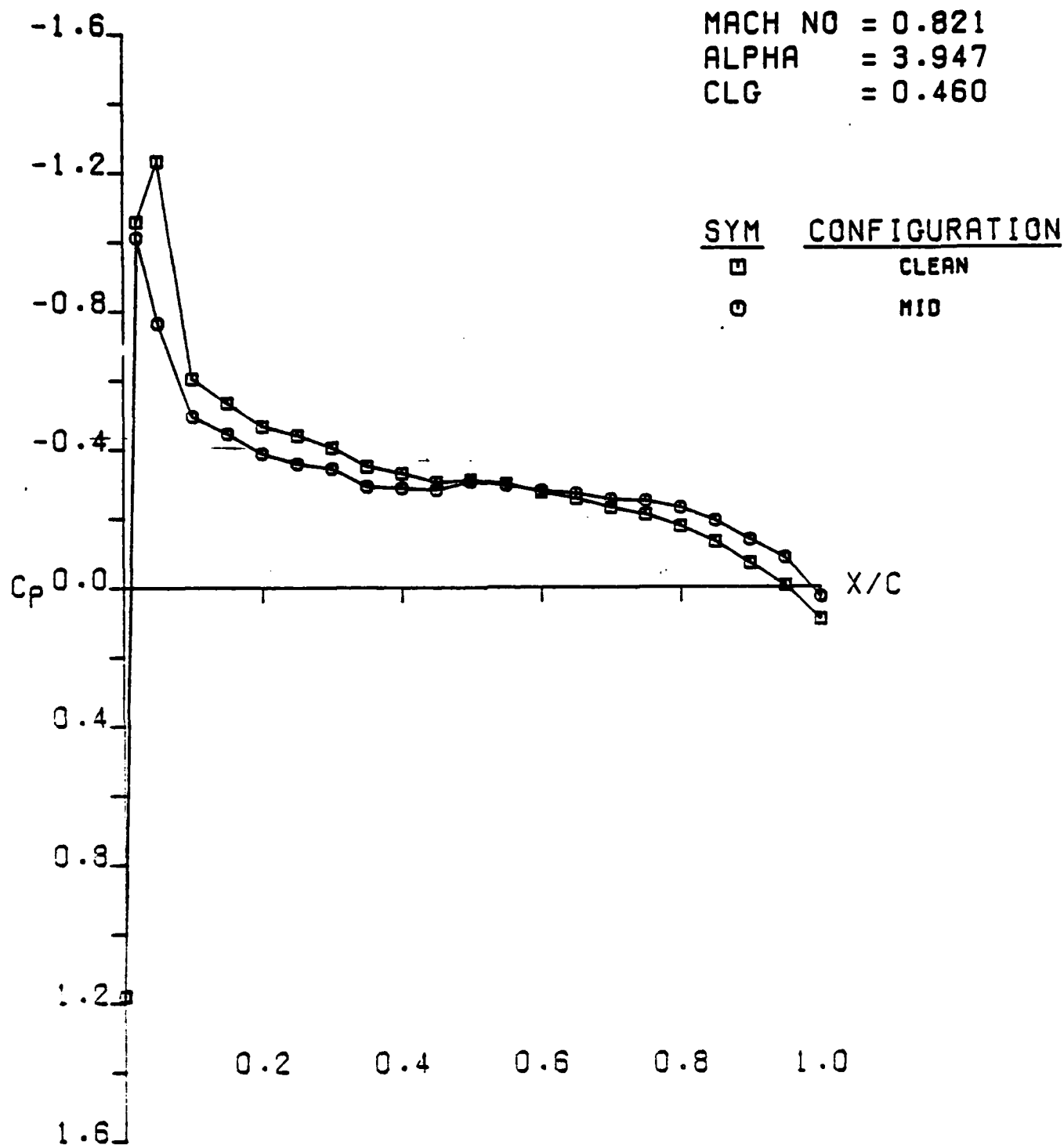
CLEAN
MID



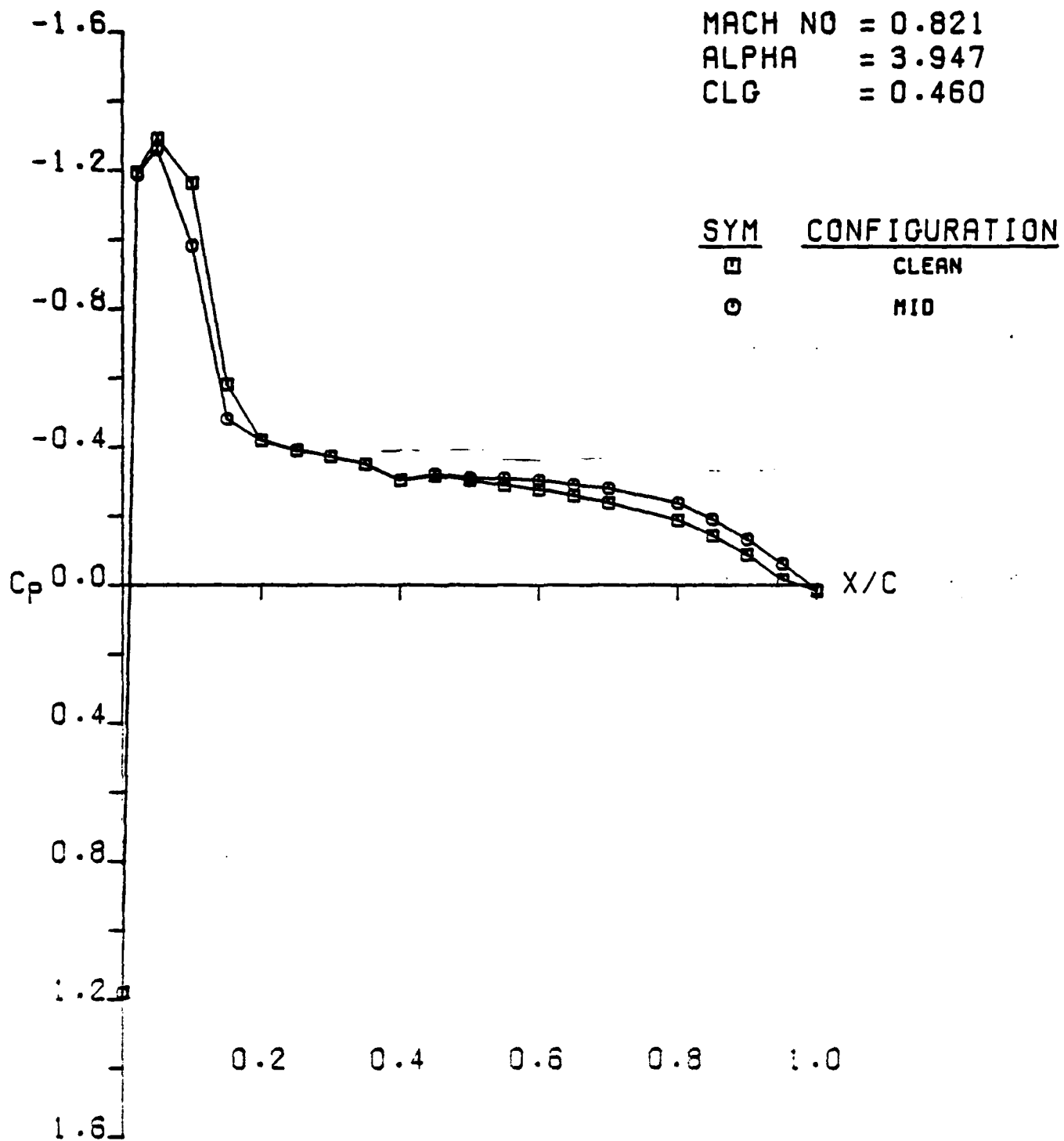
CONDITIONS

MACH NO = 0.321
ALPHA = 3.347
CL = 0.460
CD = 0.031
CM = -0.063
CLG = 0.460

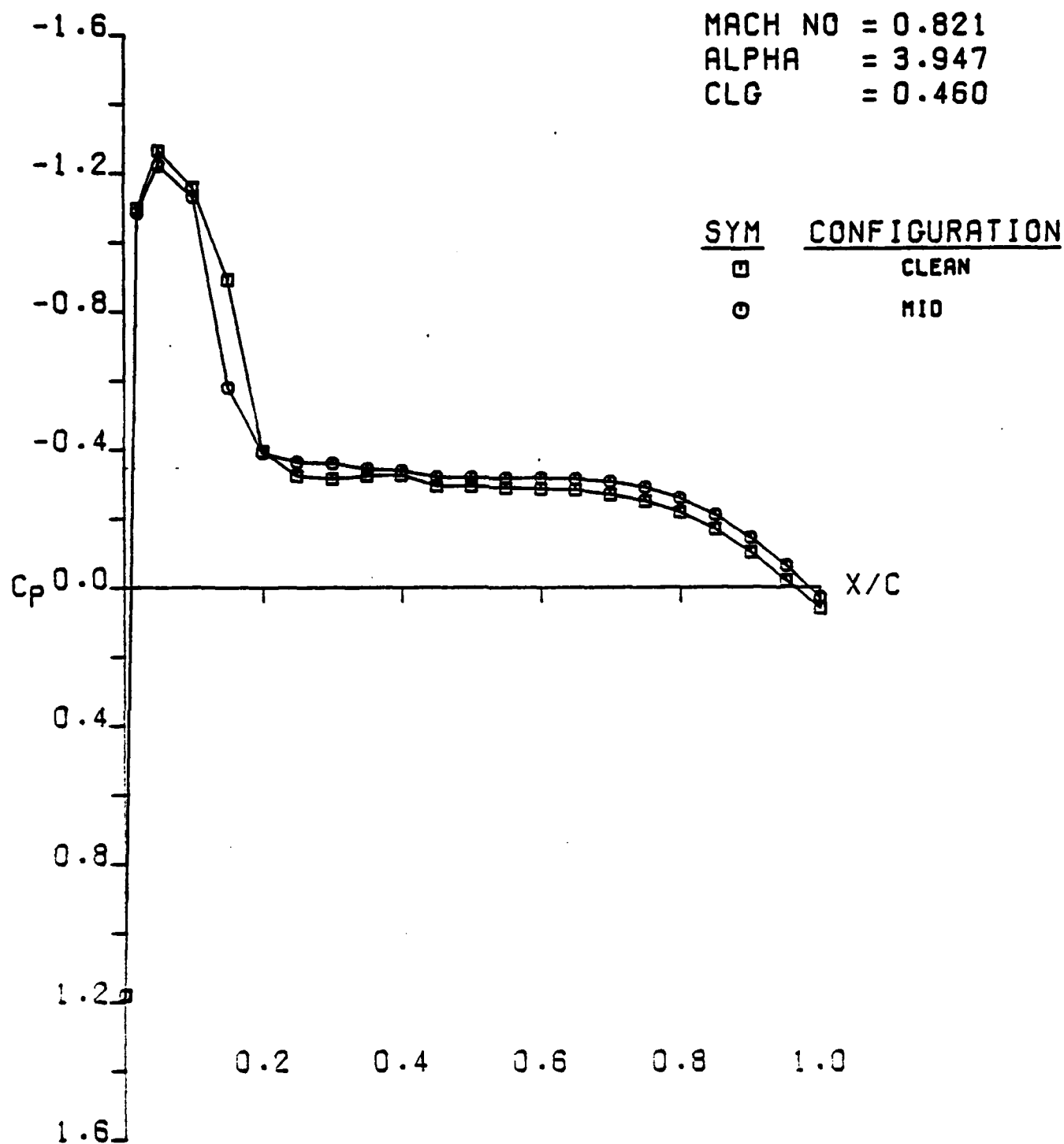
LOCKHEED CFWT SEMI-SPAN TEST, RUN 47
CLN VS MID (UPR SURF)
AFOSR SEMISPAN MODEL B



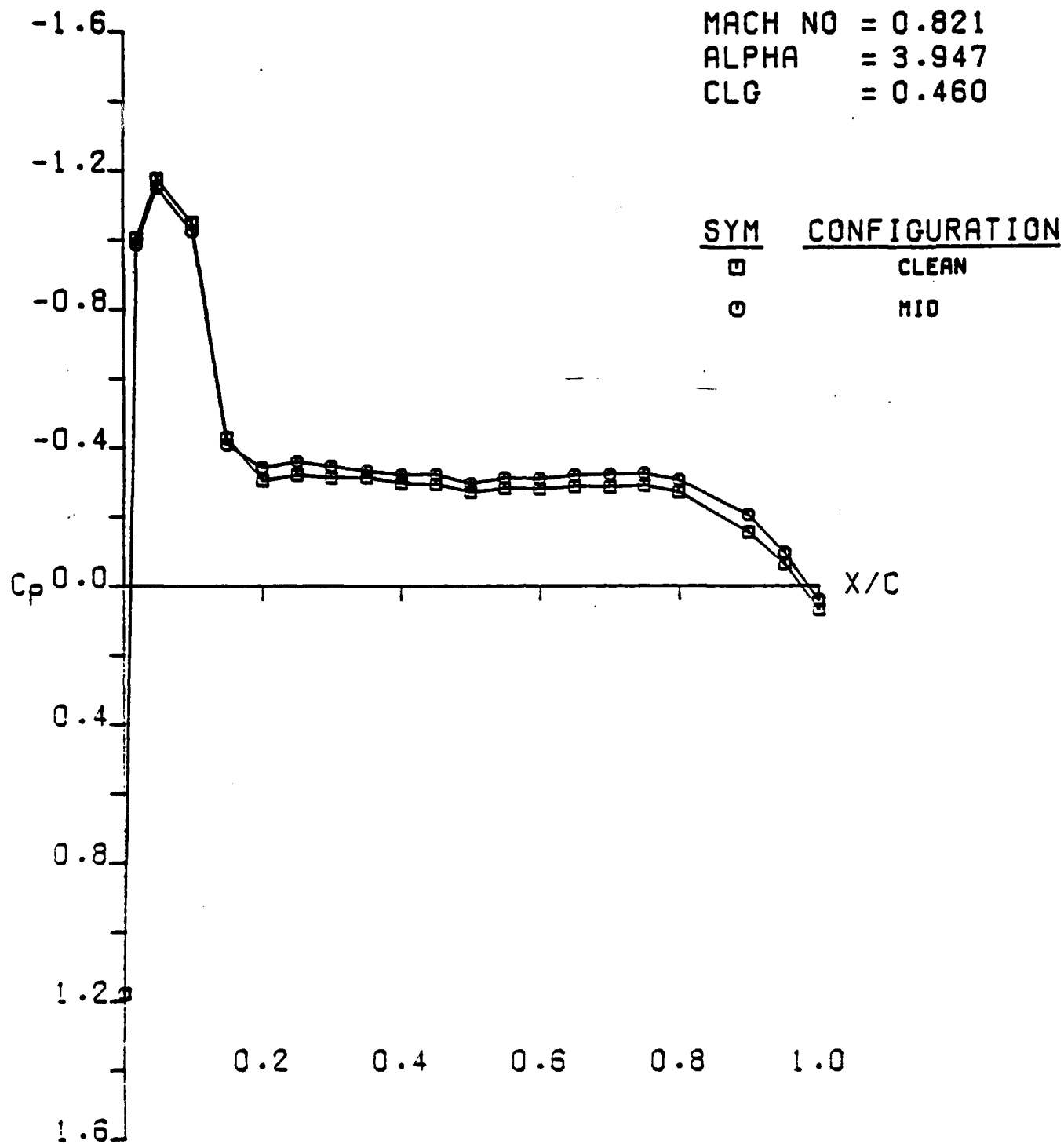
LOCKHEED CFWT SEMI-SPAN TEST, RUN 47
 CLN VS MID (UPR SURF ETA.216)
 AFOSR SEMISPAN MODEL B



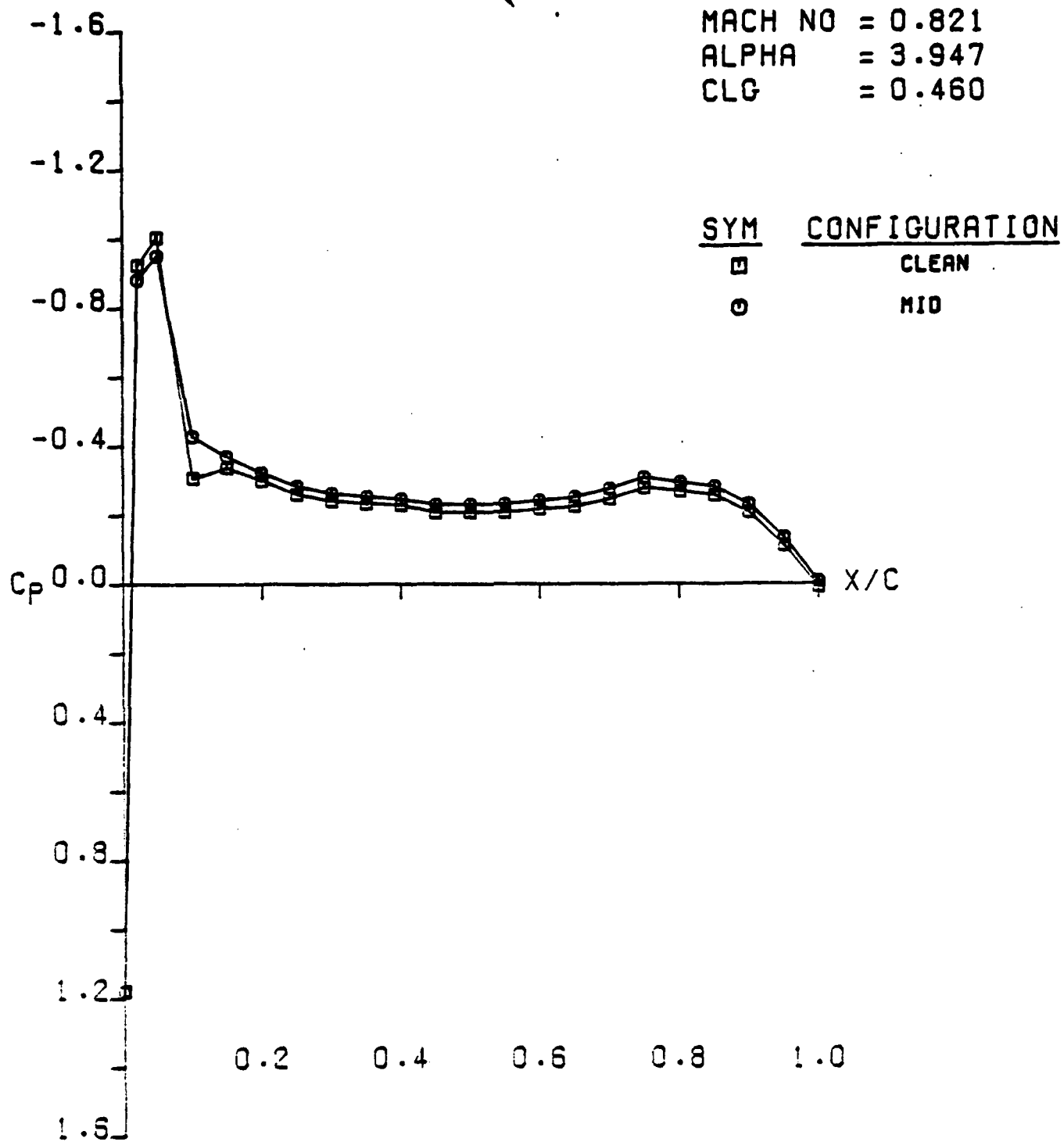
LOCKHEED CFWT SEMI-SPAN TEST, RUN 47
 CLN VS MID (UPR SURF ETA .40)
 AFOSR SEMISPAN MODEL B



LOCKHEED CFWT SEMI-SPAN TEST, RUN 47
 CLN VS MID (UPR SURF ETA .60)
 AFOSR SEMISPAN MODEL B



LOCKHEED CFWT SEMI-SPAN TEST, RUN 47
CLN VS MID (UPR SURF ETA .8)
AFOSR SEMISPAN MODEL B

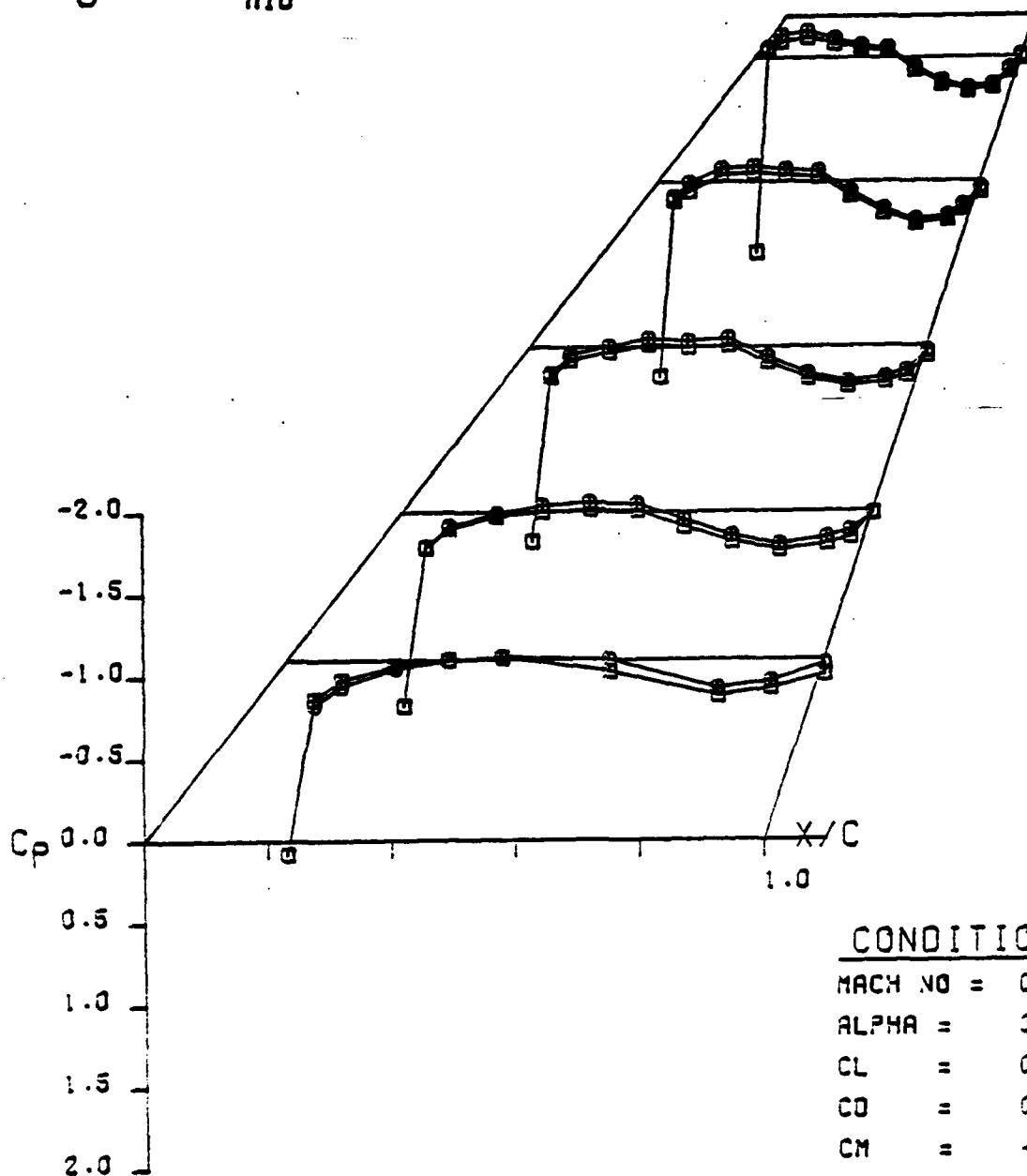


LOCKHEED CFWT SEMI-SPAN TEST, RUN 47
CLN VS MID (UPR SURF ETA .95)
AFOSR SEMISPAN MODEL 9

SYM CONFIGURATION

□
○

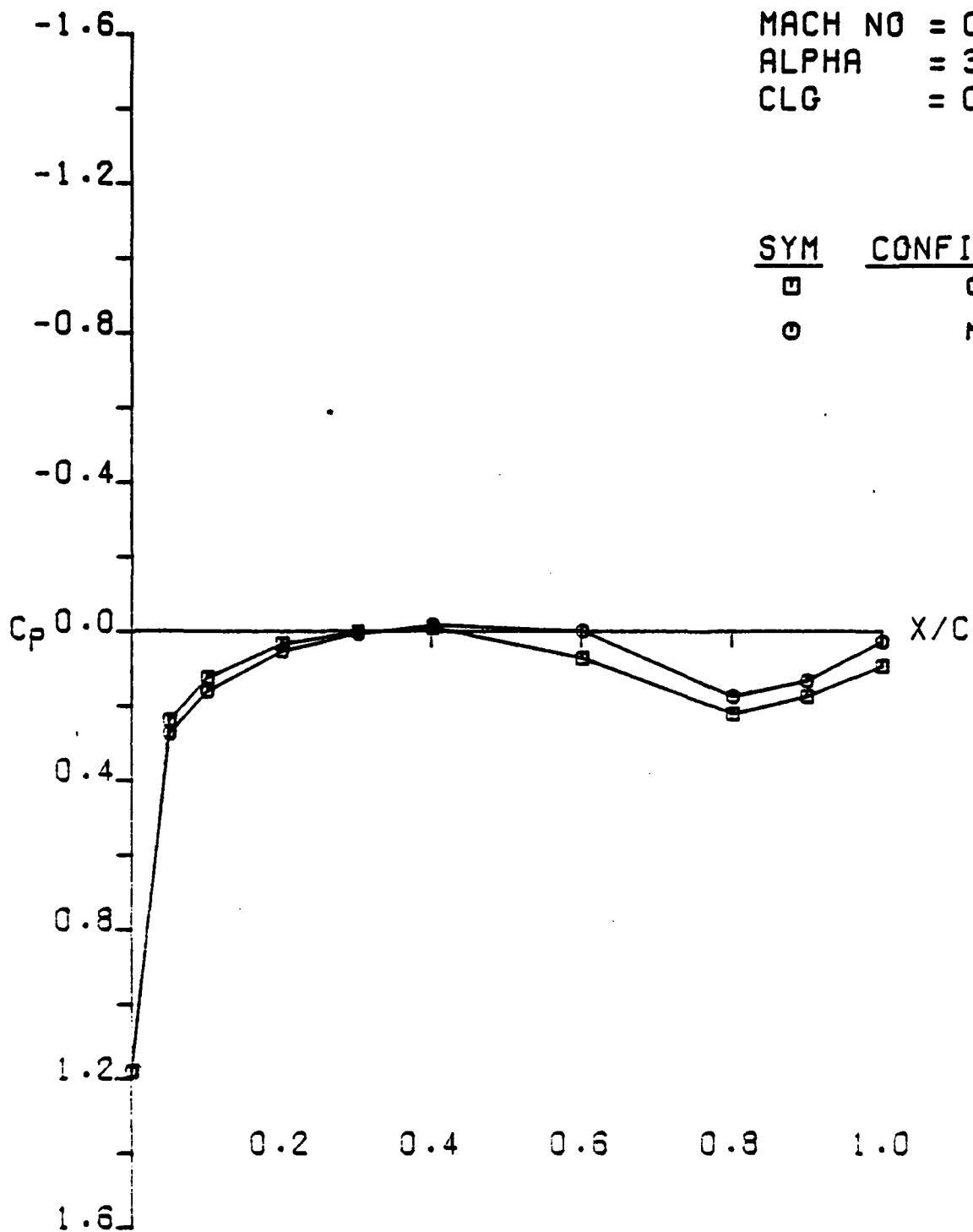
CLEAN
MID



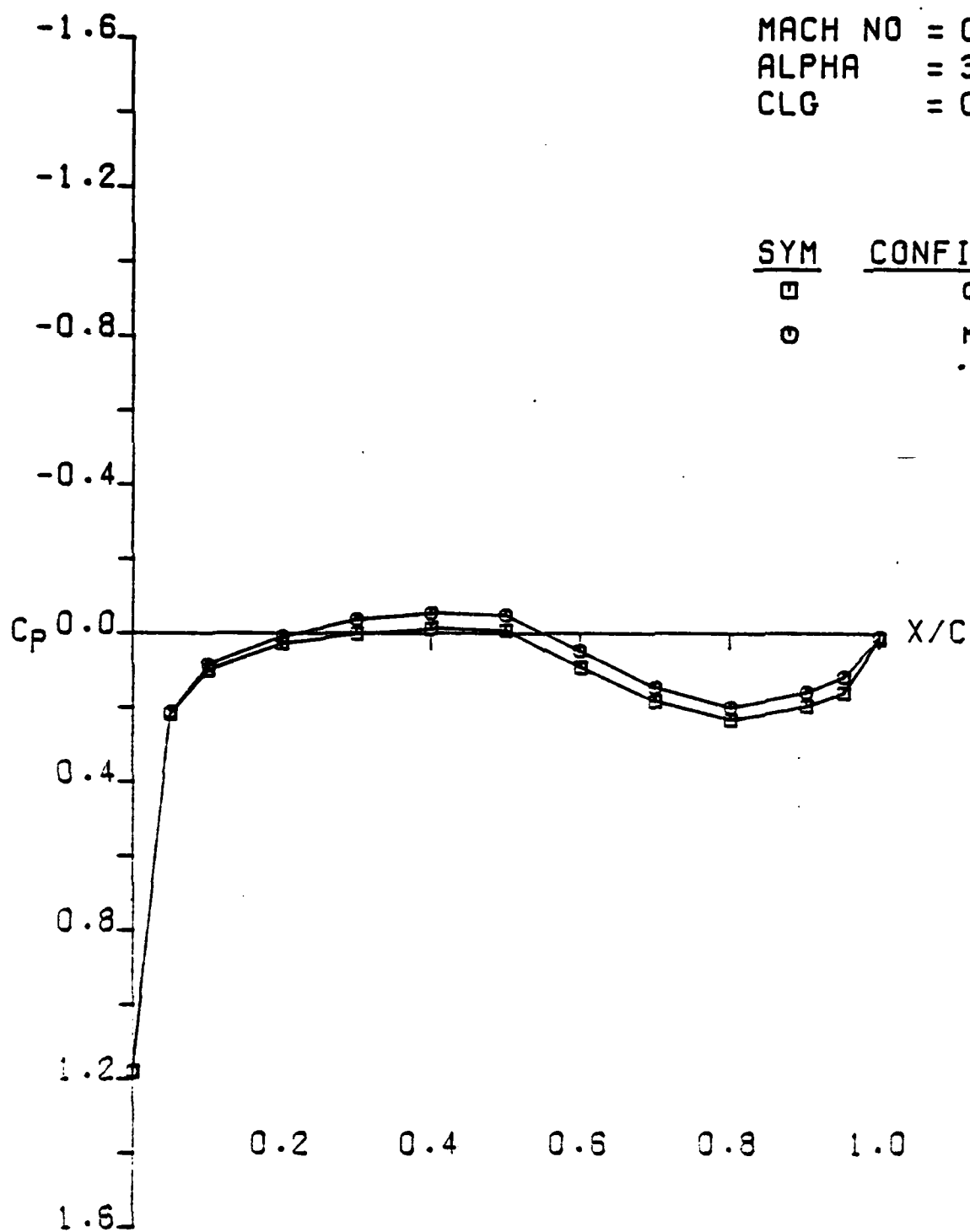
CONDITIONS

MACH NO = 0.821
 ALPHA = 3.947
 CL = 0.460
 CD = 0.031
 CM = -0.063
 CLG = 0.460

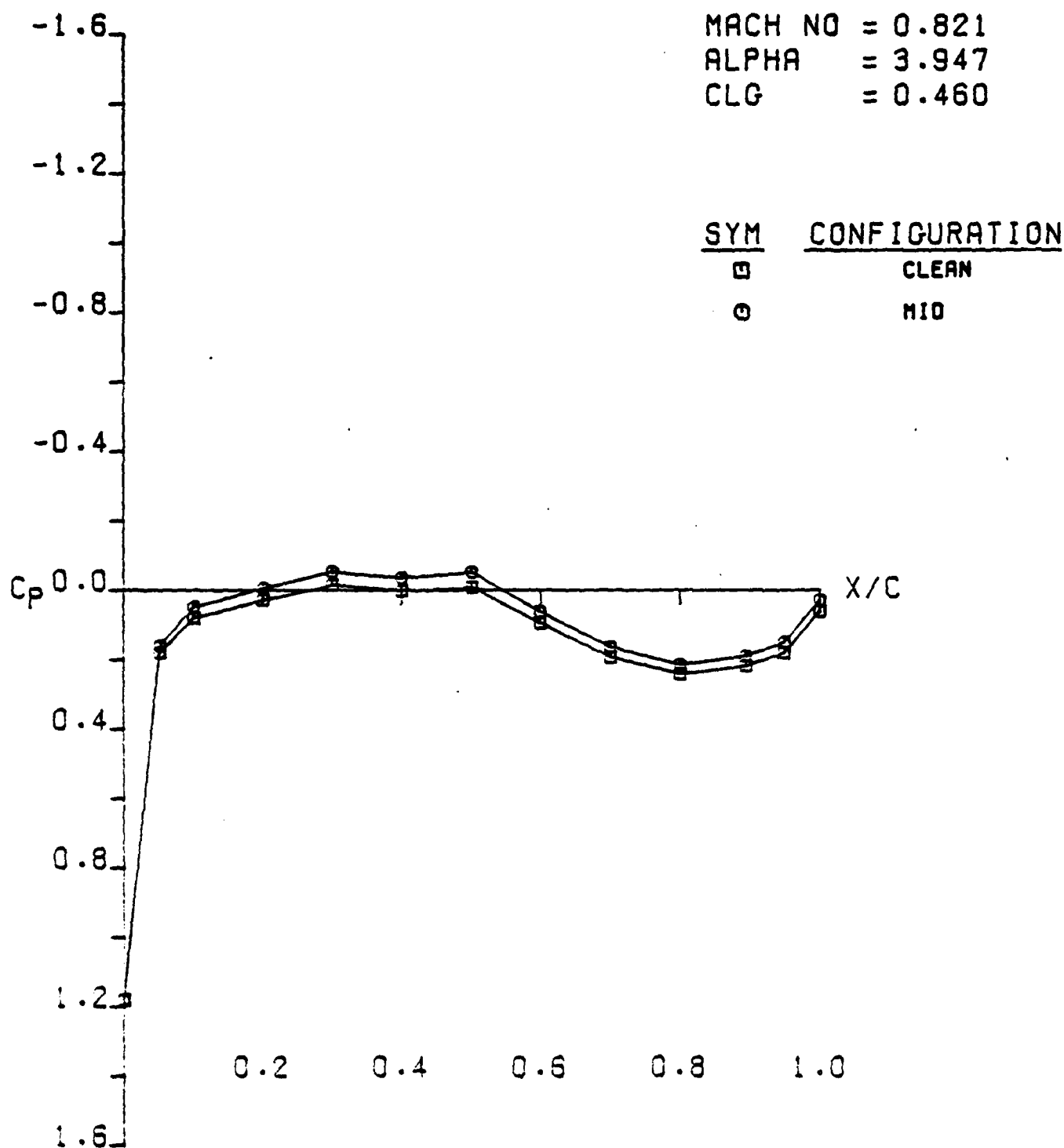
LOCKHEED CFWT SEMI-SPAN TEST, RUN 47
 CLN VS MID (LWR SURF)
 AFOSR SEMISPAN MODEL B



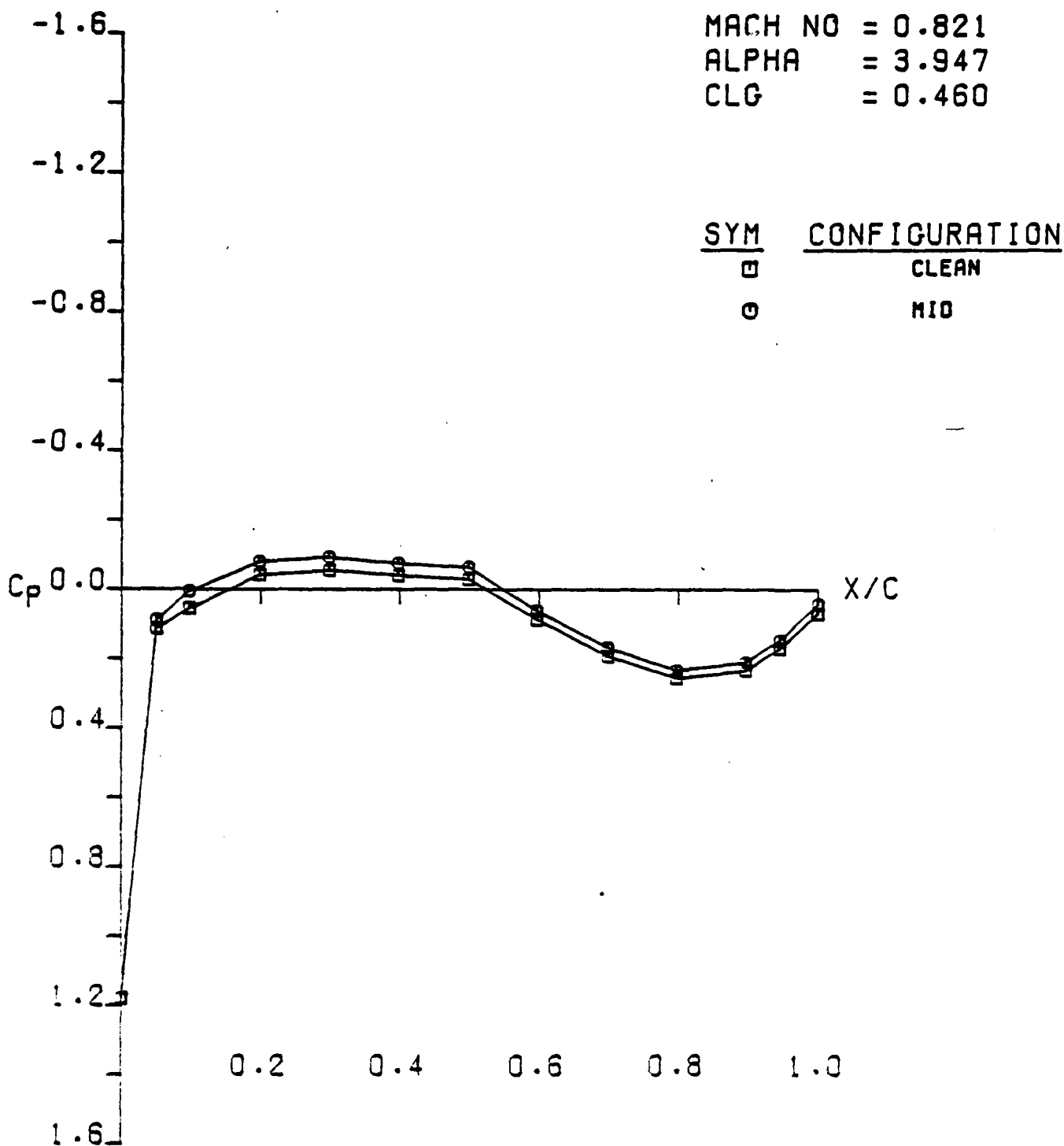
LOCKHEED CFWT SEMI-SPAN TEST, RUN 47
CLN VS MID (LWR SURF ETA.216)
AFJSR SEMISPAN MODEL 8



LOCKHEED CFWT SEMI-SPAN TEST, RUN 47
 CLN VS MID (LWR SURF ETA.4)
 AFOSR SEMISPAN MODEL B



LOCKHEED CFWT SEMI-SPAN TEST, RUN 47
 CLN VS MID (LWR SURF ETA.60)
 AFOSR SEMISPAN MODEL B



LOCKHEED CFWT SEMI-SPAN TEST. RUN 47
 CLN VS MID (LWR SURF ETA.8)
 AFOSR SEMISPAN MODEL B

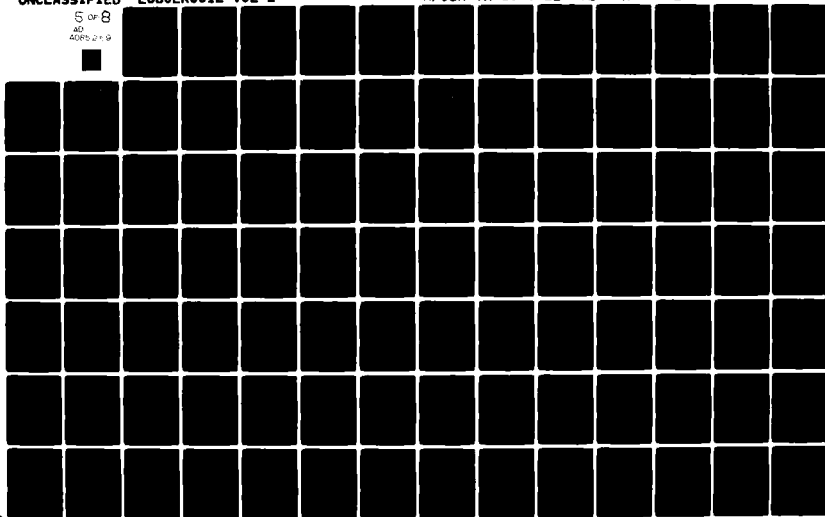
AD-A085 259

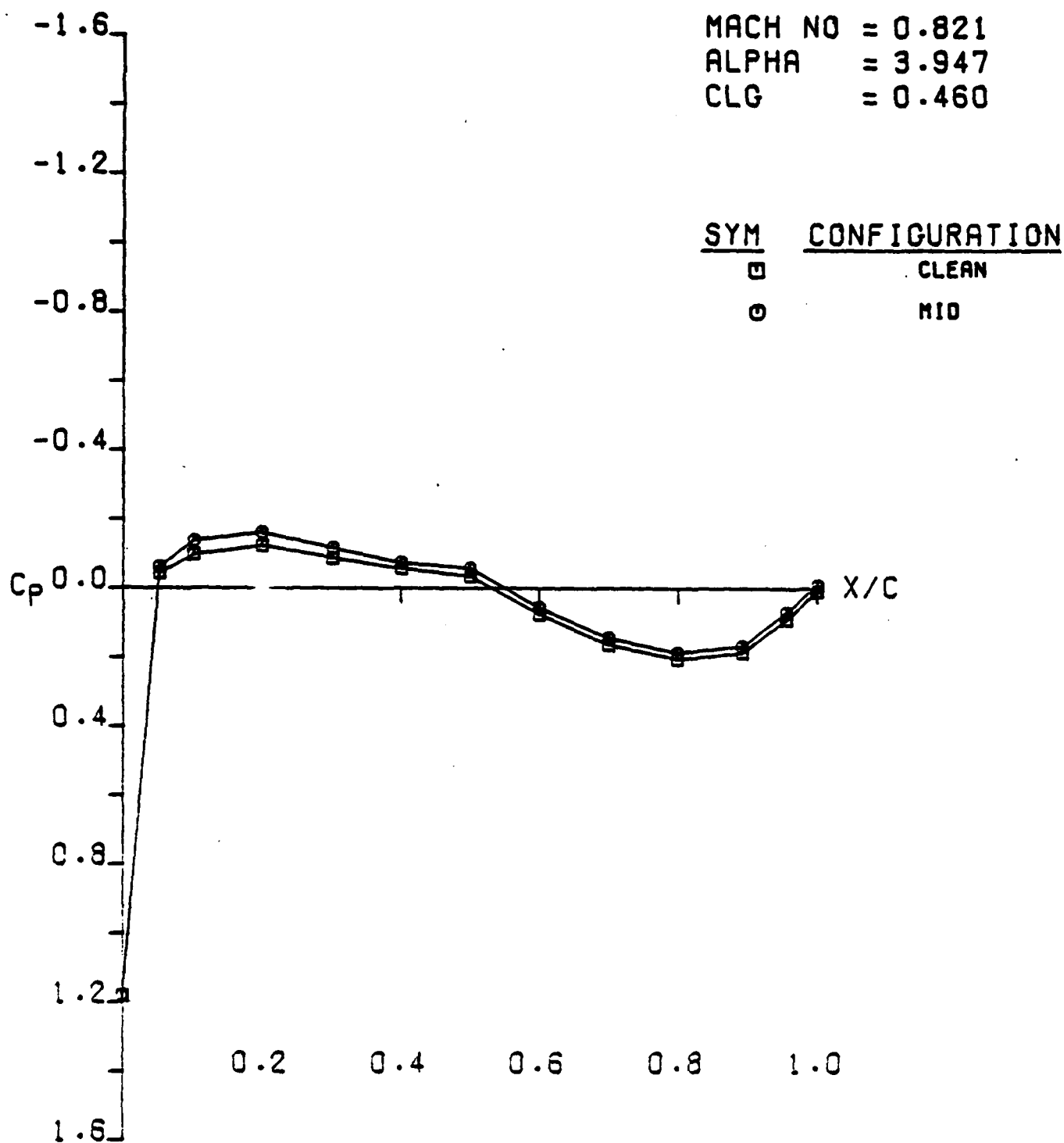
LOCKHEED-GEORGIA CO MARIETTA
ACQUISITION AND APPLICATION OF
MAR 80 B L HINSON, K P BURDGES
LG80ER0012-VOL-2

F/G 20/4
TES--ETC(U)
F49620-78-C-0068
AFOSR-TR-80-0422-VOL-2-APP NL

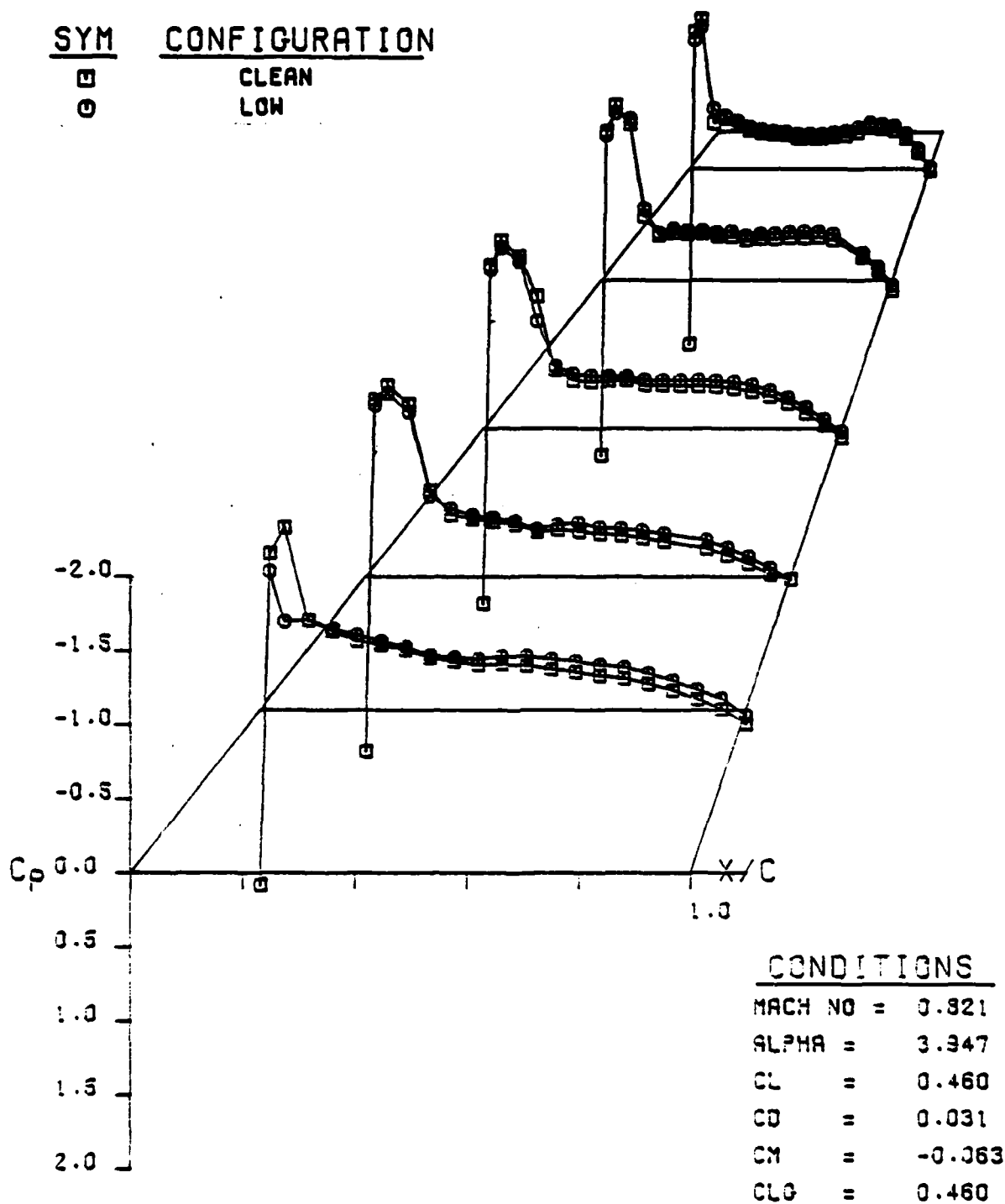
UNCLASSIFIED

5 of 8
AD
A085 259

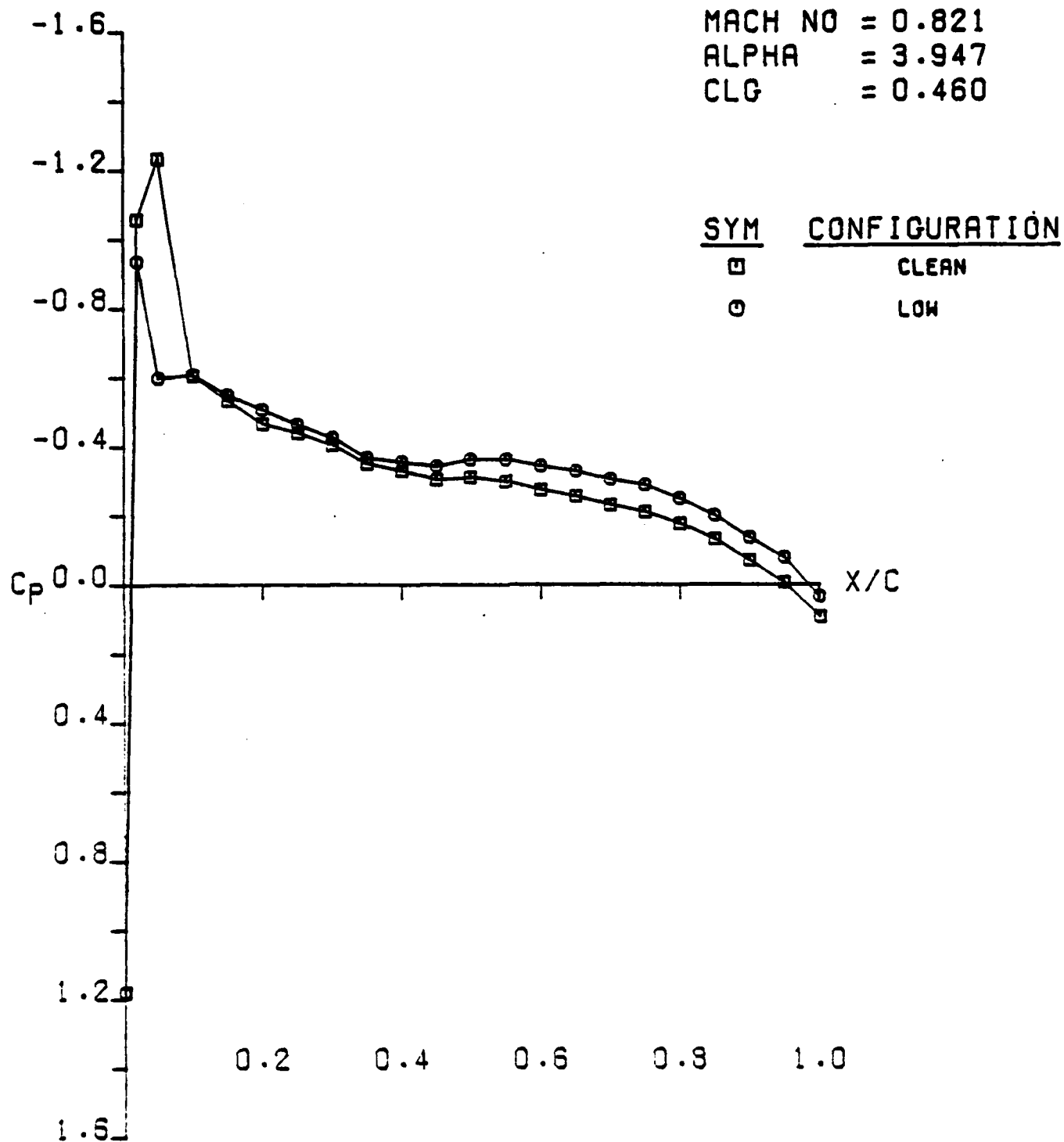




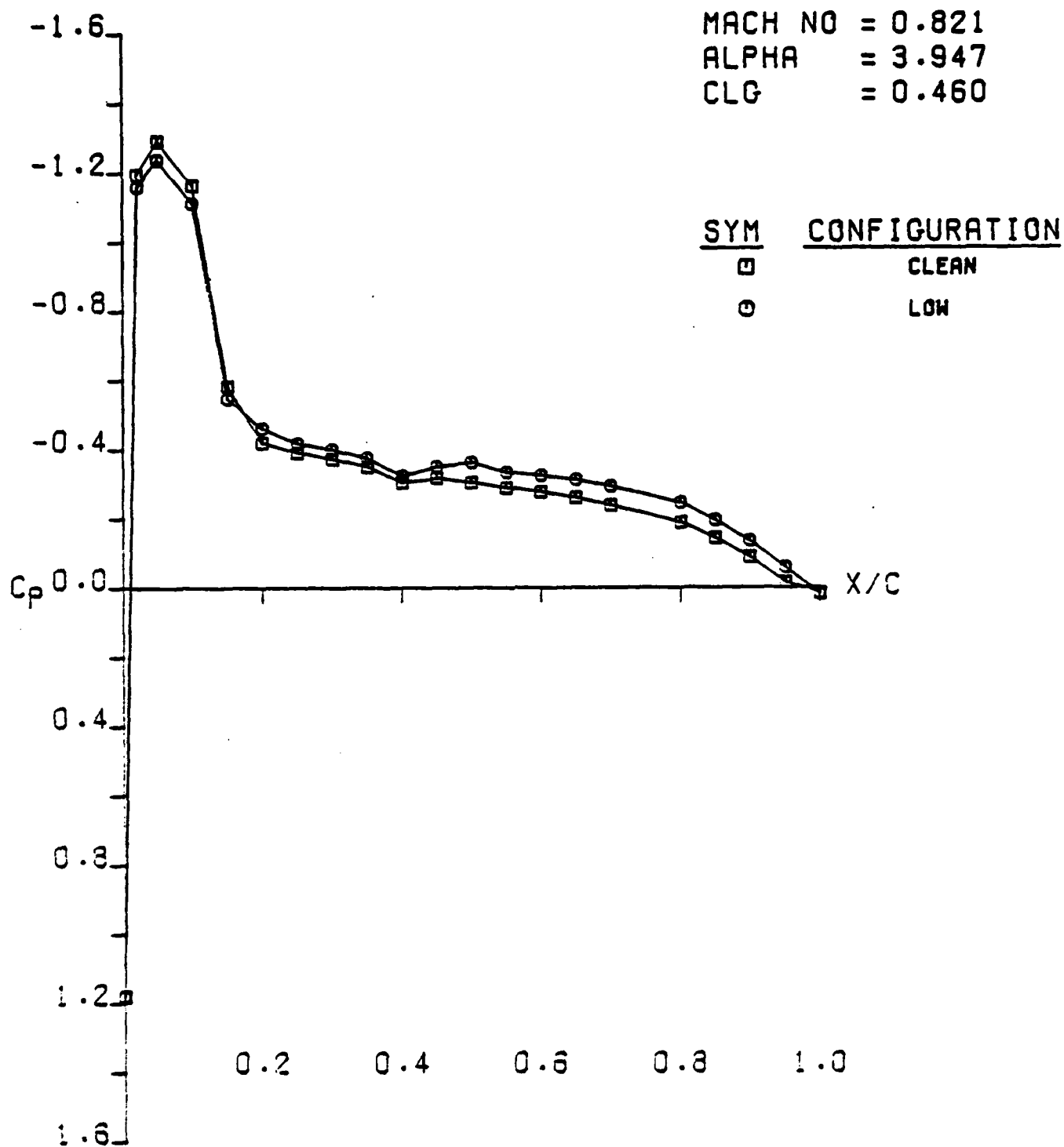
LOCKHEED CFWT SEMI-SPAN TEST, RUN 47
CLN VS MID (LWR SURF ETA.95)
AFOSR SEMISPAN MODEL B



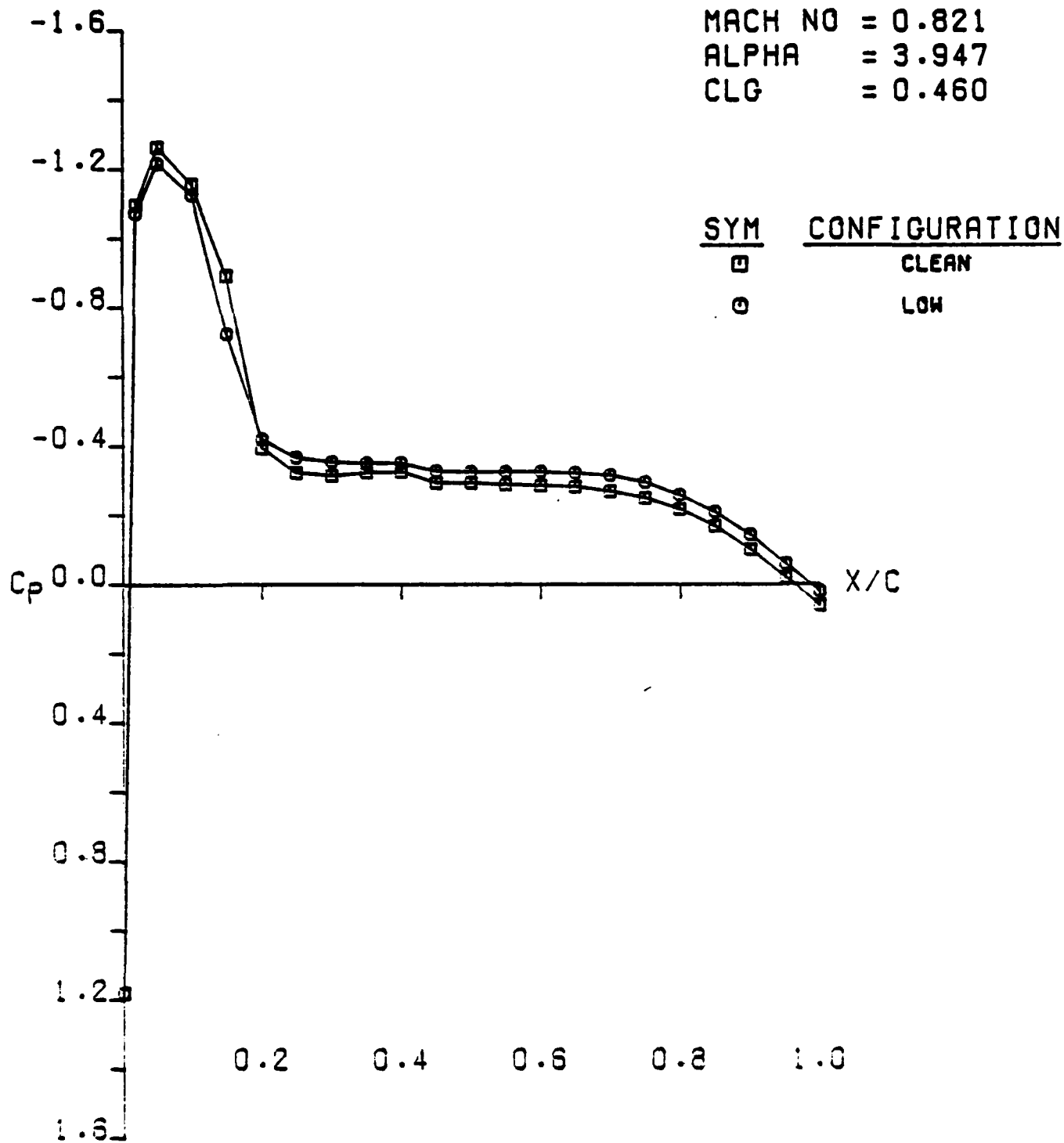
LOCKHEED CFWT SEMI-SPAN TEST, RUN 47
 CLN VS LOW (UPR SURF)
 AFOSR SEMISPAN MODEL B



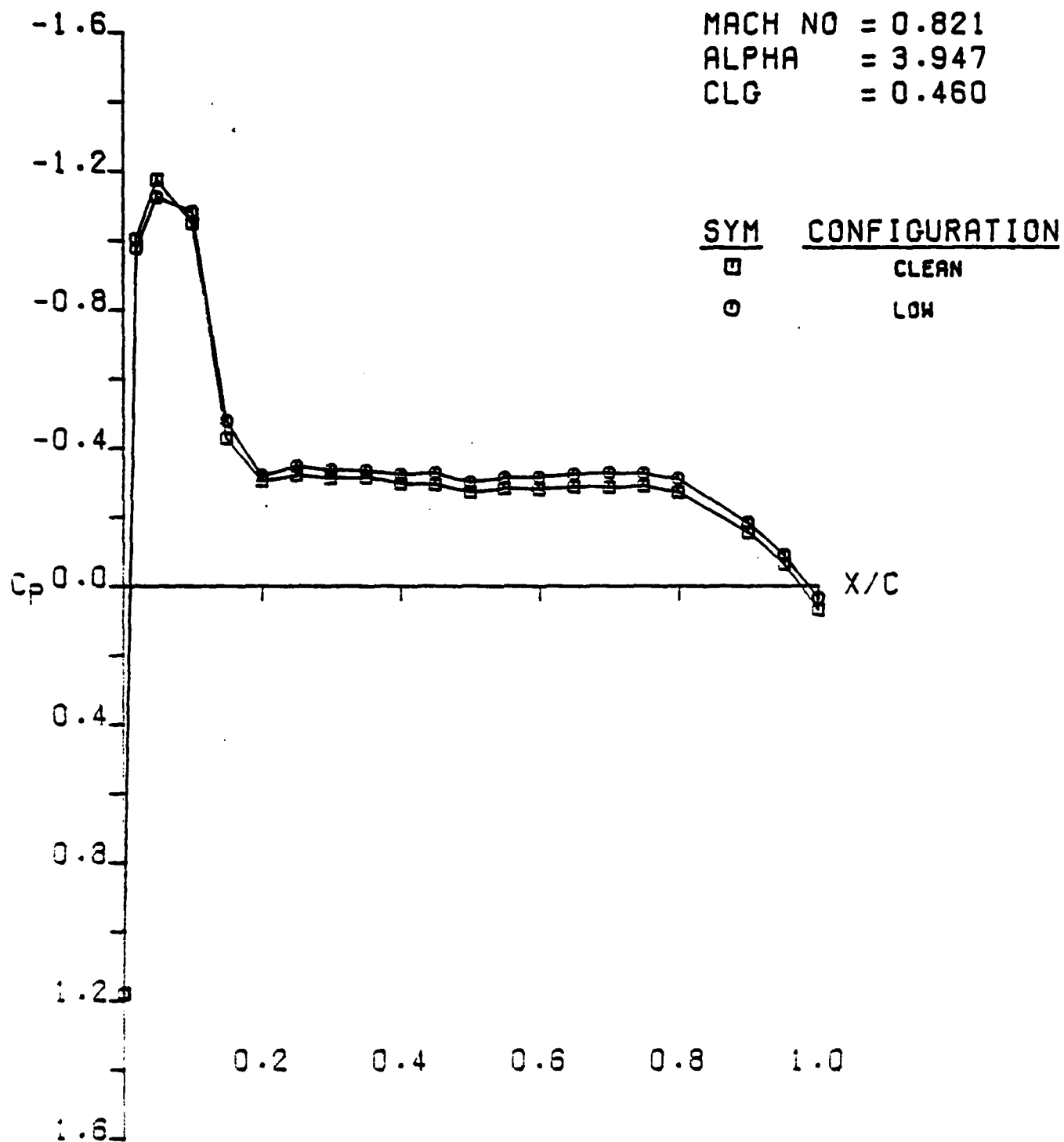
LOCKHEED CFWT SEMI-SPAN TEST, RUN 47
 CLN VS LOW (UPR SURF ETA.216)
 AFOSR SEMISPAN MODEL B



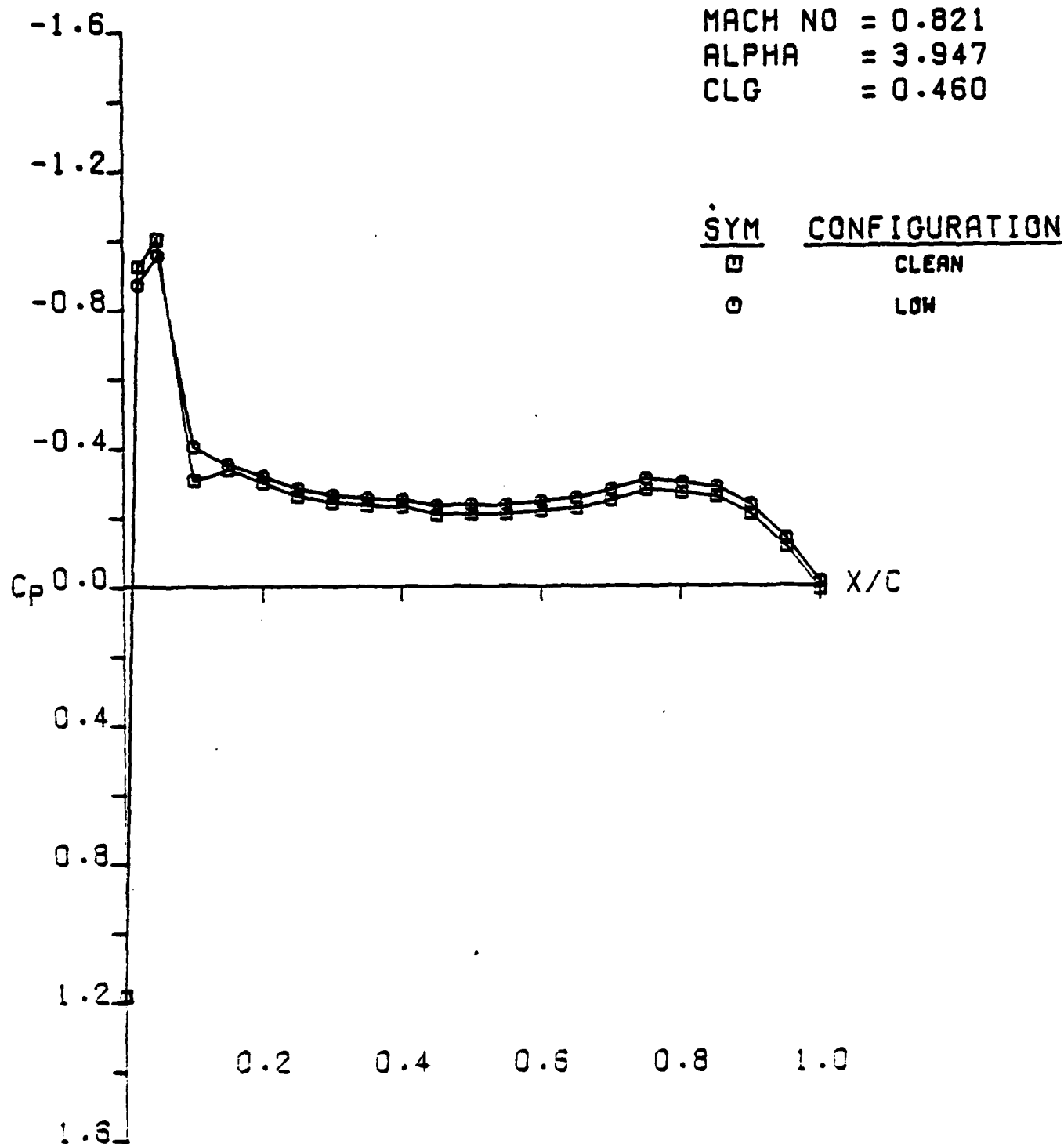
LOCKHEED CFWT SEMI-SPAN TEST, RUN 47
CLN VS LOW (UPR SURF ETA .40)
AFOSR SEMISPAN MODEL B



LOCKHEED CFWT SEMI-SPAN TEST, RUN 47
 CLN VS LOW (UPR SURF ETA .60)
 AFOSR SEMISPAN MODEL B



LOCKHEED CFWT SEMI-SPAN TEST. RUN 47
 CLN VS LOW (UPR SURF ETA .8)
 AFOSR SEMISPAN MODEL B

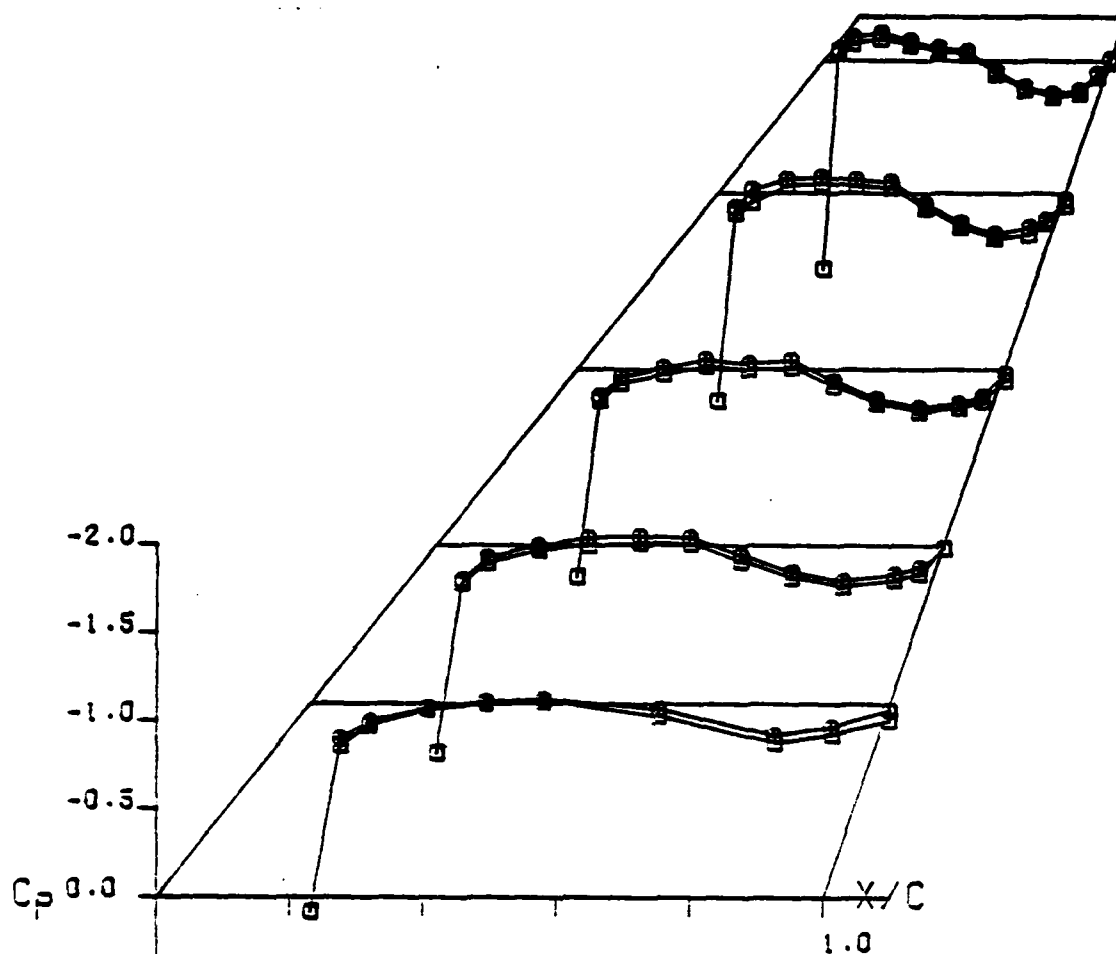


LOCKHEED CFWT SEMI-SPAN TEST, RUN 47
 CLN VS LOW (UPR SURF ETA .95)
 AFOSR SEMISPAN MODEL B

SYM CONFIGURATION

□
○

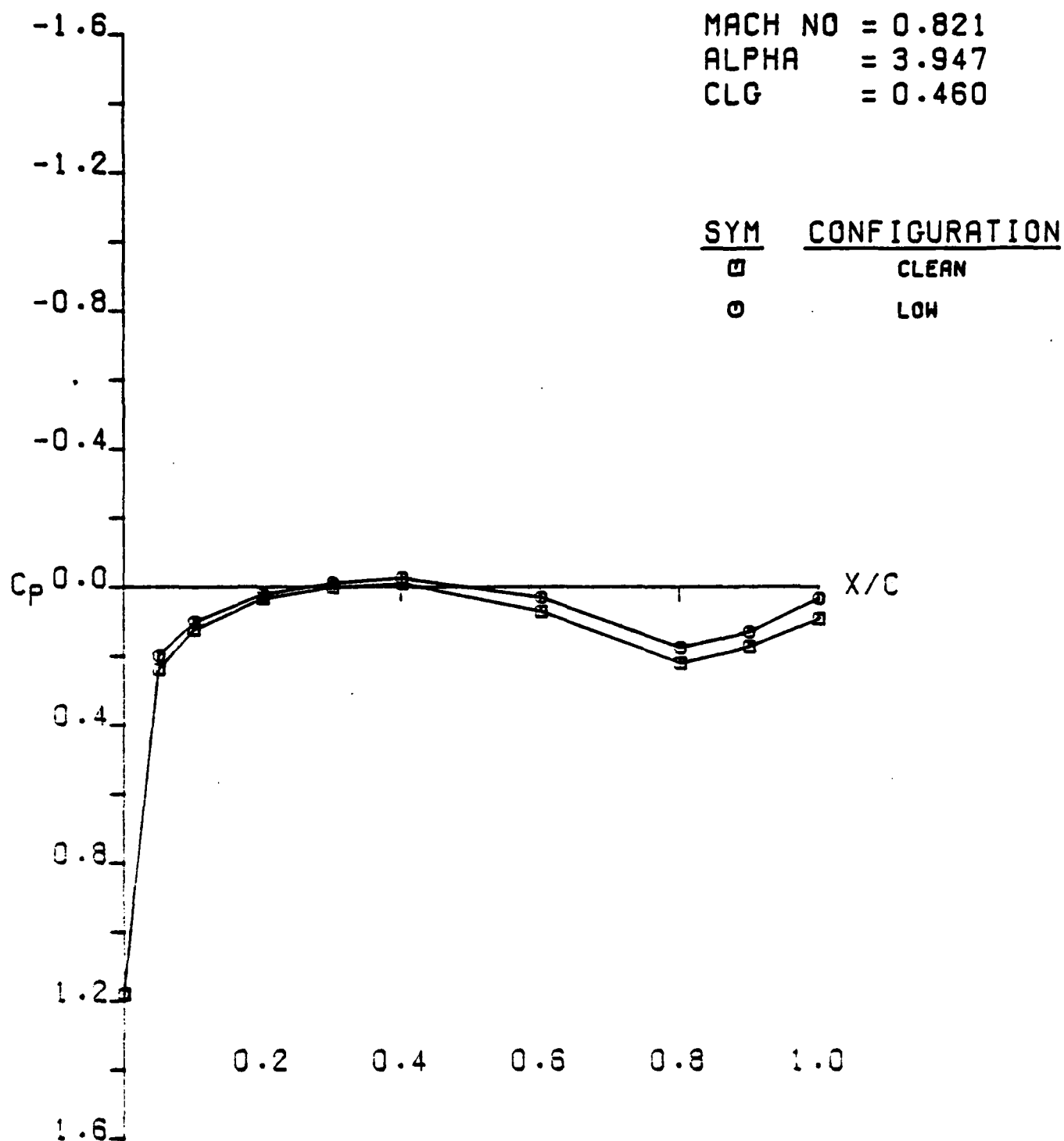
CLEAN
LOW



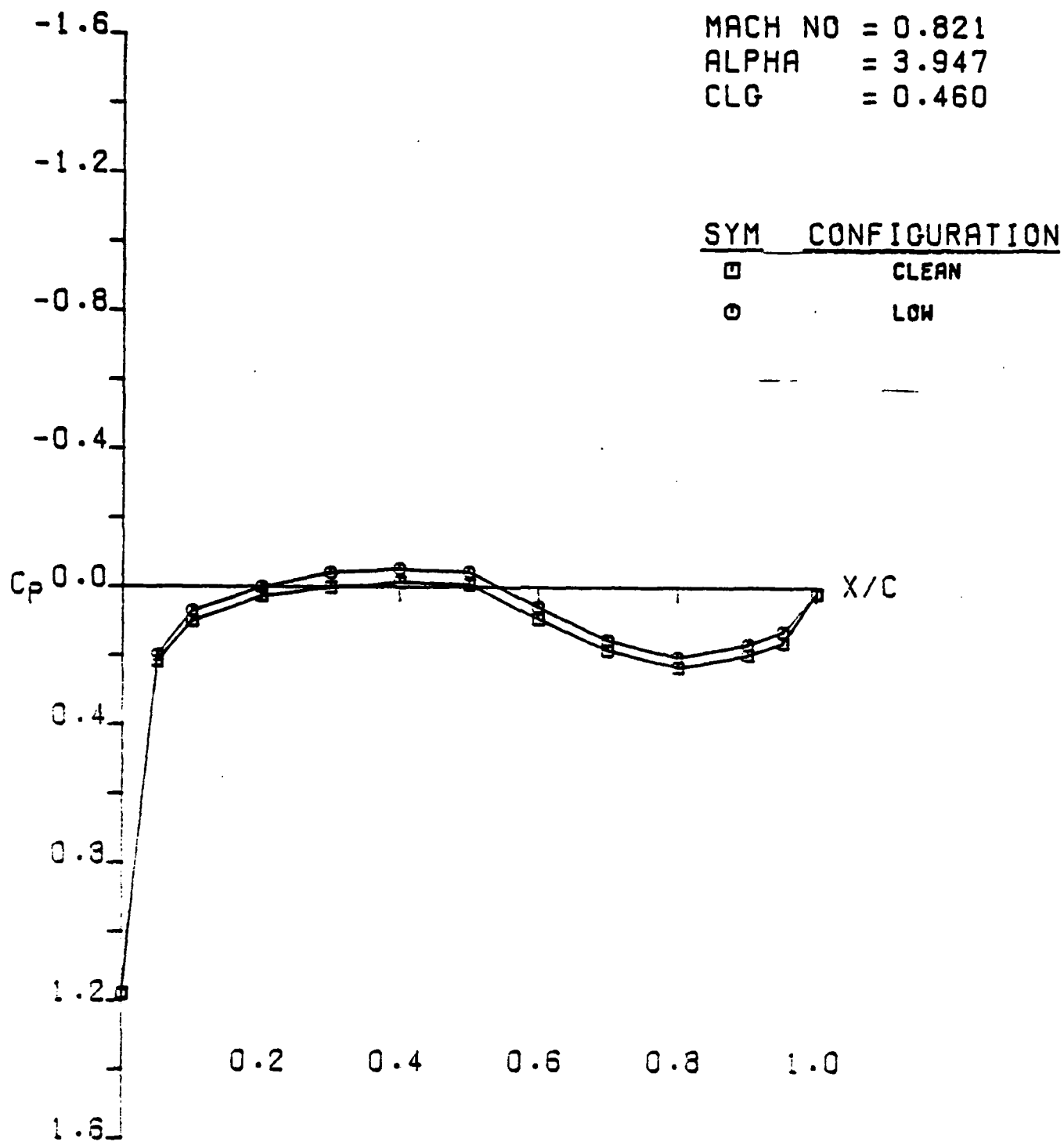
CONDITIONS

MACH NO = 0.321
 ALPHA = 3.347
 CL = 0.460
 CD = 0.031
 CM = -0.063
 CLG = 0.460

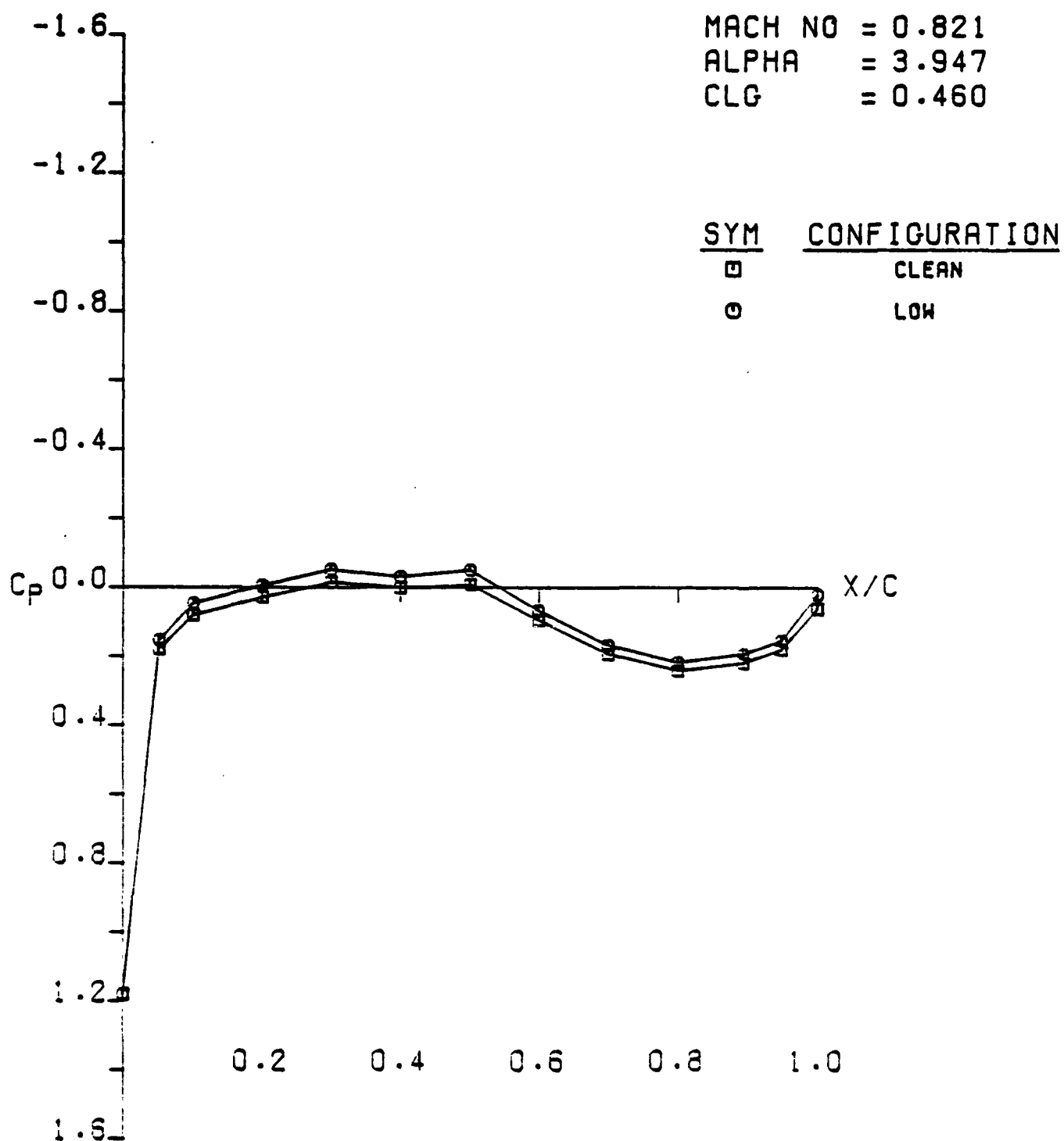
LOCKHEED CFWT SEMI-SPAN TEST. RUN 47
 CLN VS LOW (LWR SURF)
 AFOSR SEMISPAN MODEL B



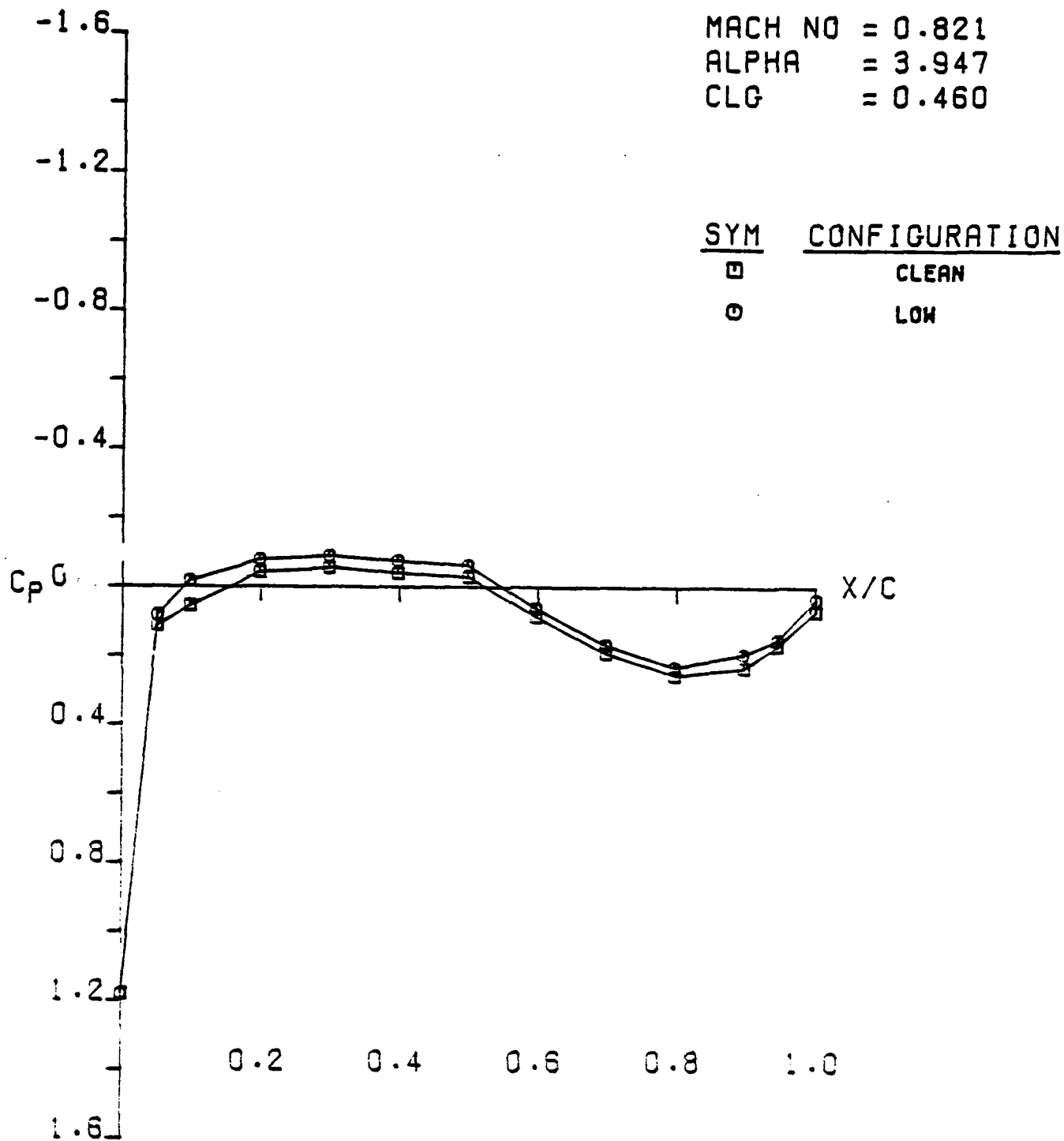
LOCKHEED CFWT SEMI-SPAN TEST, RUN 47
 CLN VS LOW (LWR SURF ETA.216)
 AFOSR SEMISPAN MODEL 3



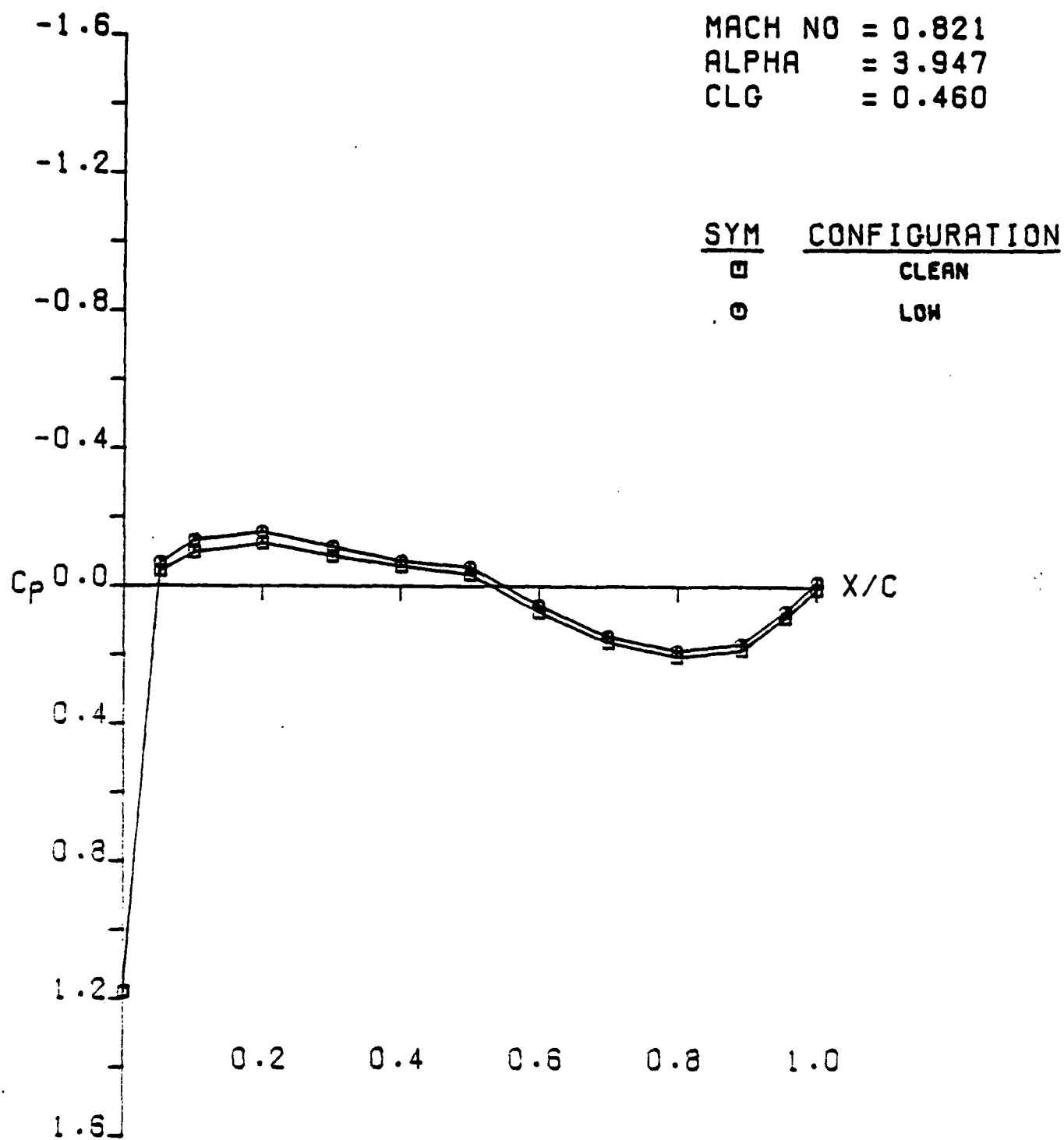
LOCKHEED CFWT SEMI-SPAN TEST, RUN 47
CLN VS LOW (LWR SURF ETA.4)
AFOSR SEMISPAN MODEL 3



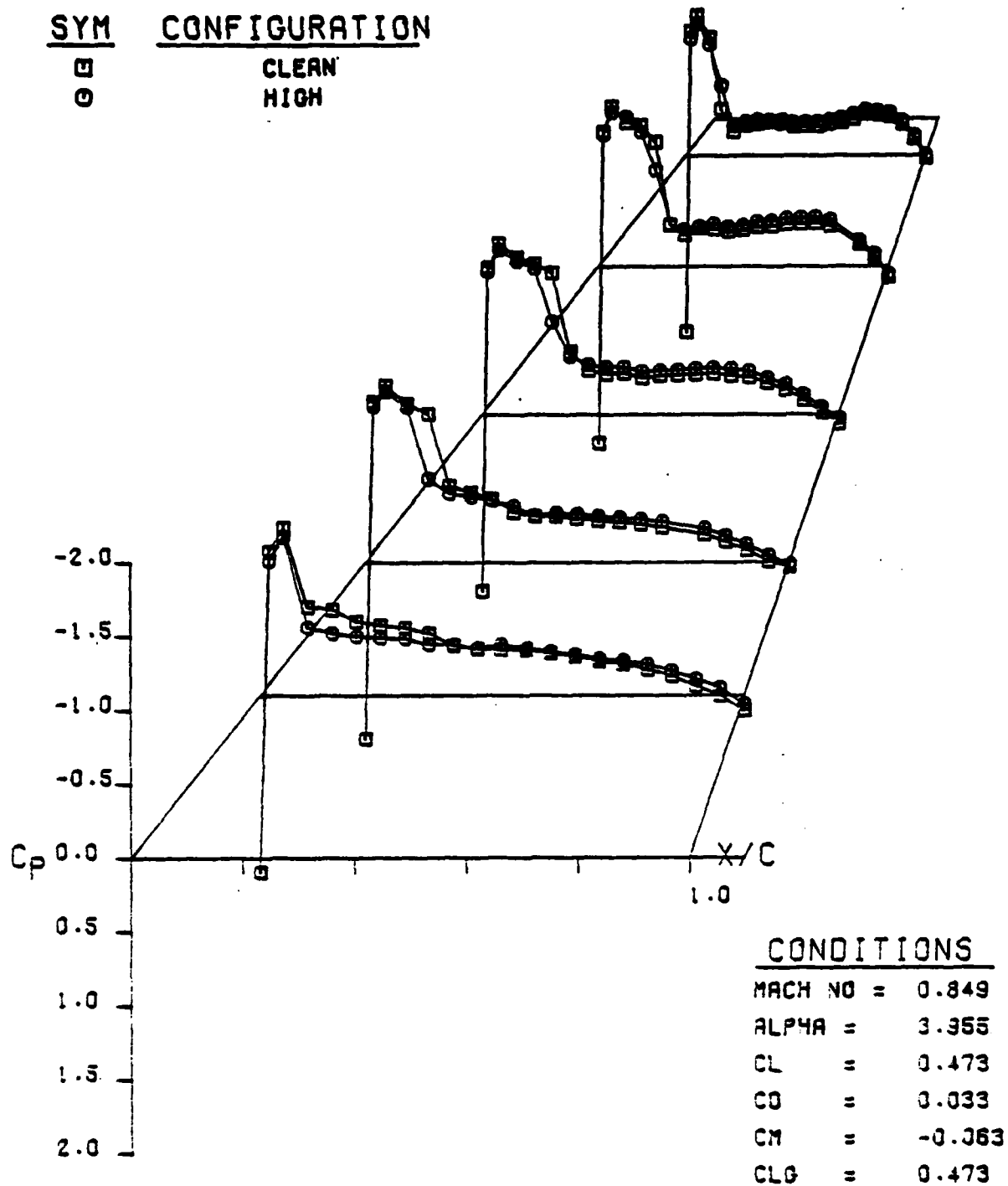
LOCKHEED CFWT SEMI-SPAN TEST, RUN 47
 CLN VS LOW (LWR SURF ETA.60)
 AFOSR SEMISPAN MODEL 3



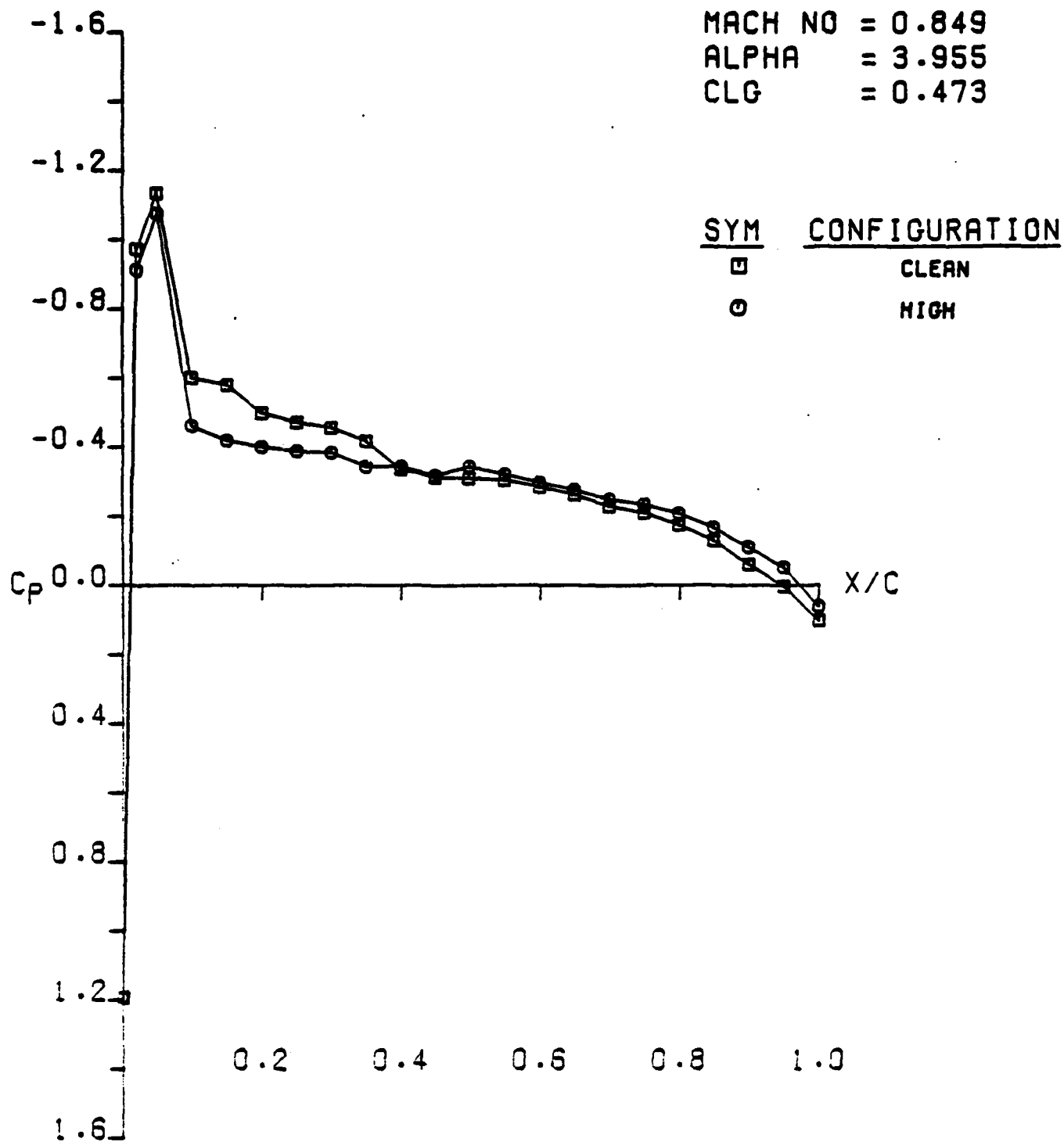
LOCKHEED CFWT SEMI-SPAN TEST, RUN 47
 CLN VS LOW (LWR SURF ETA.8)
 AFOSR SEMISPAN MODEL B



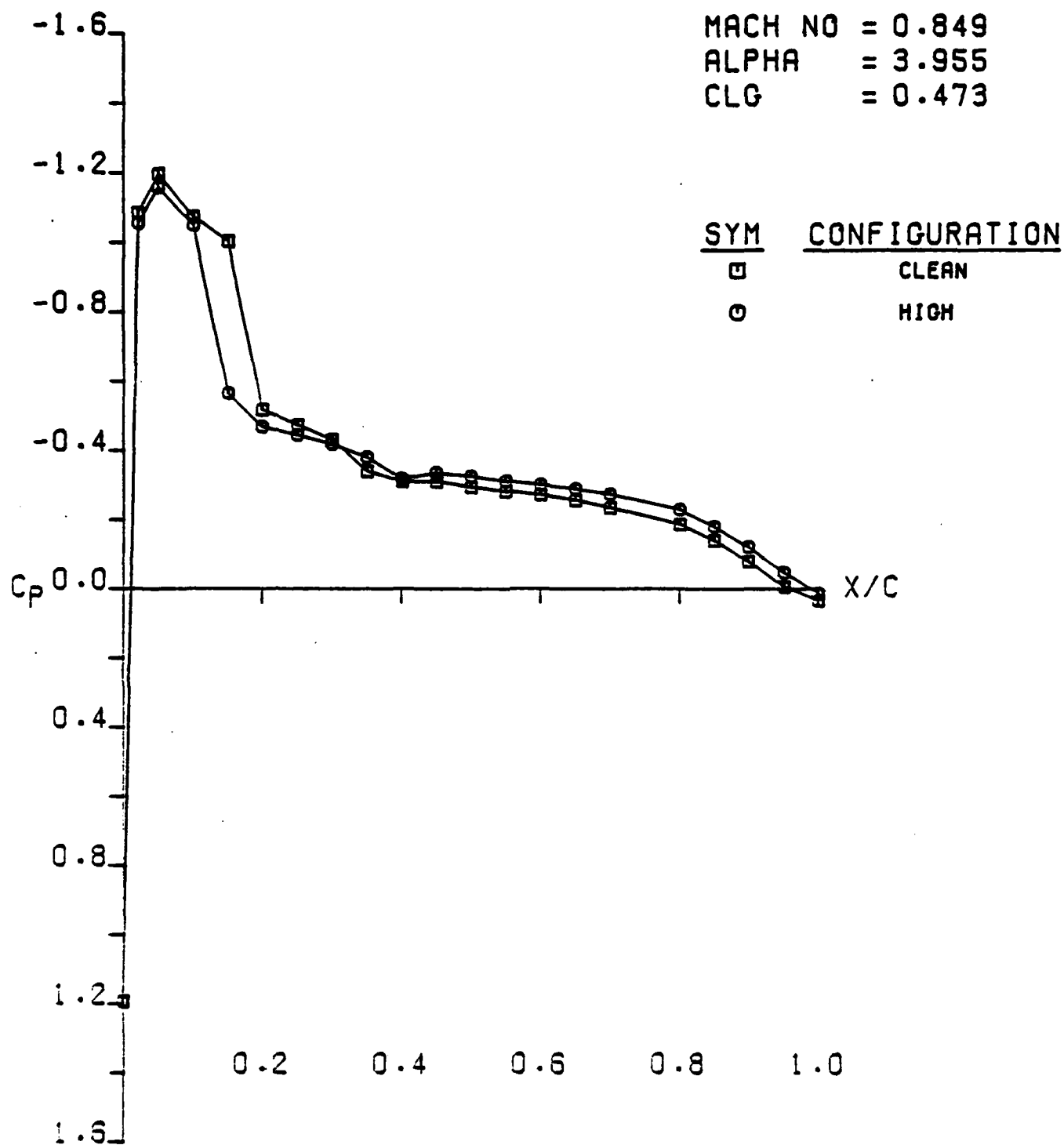
LOCKHEED CFWT SEMI-SPAN TEST, RUN 47
CLN VS LOW (LWR SURF ETA.95)
AFOSR SEMISPAN MODEL B



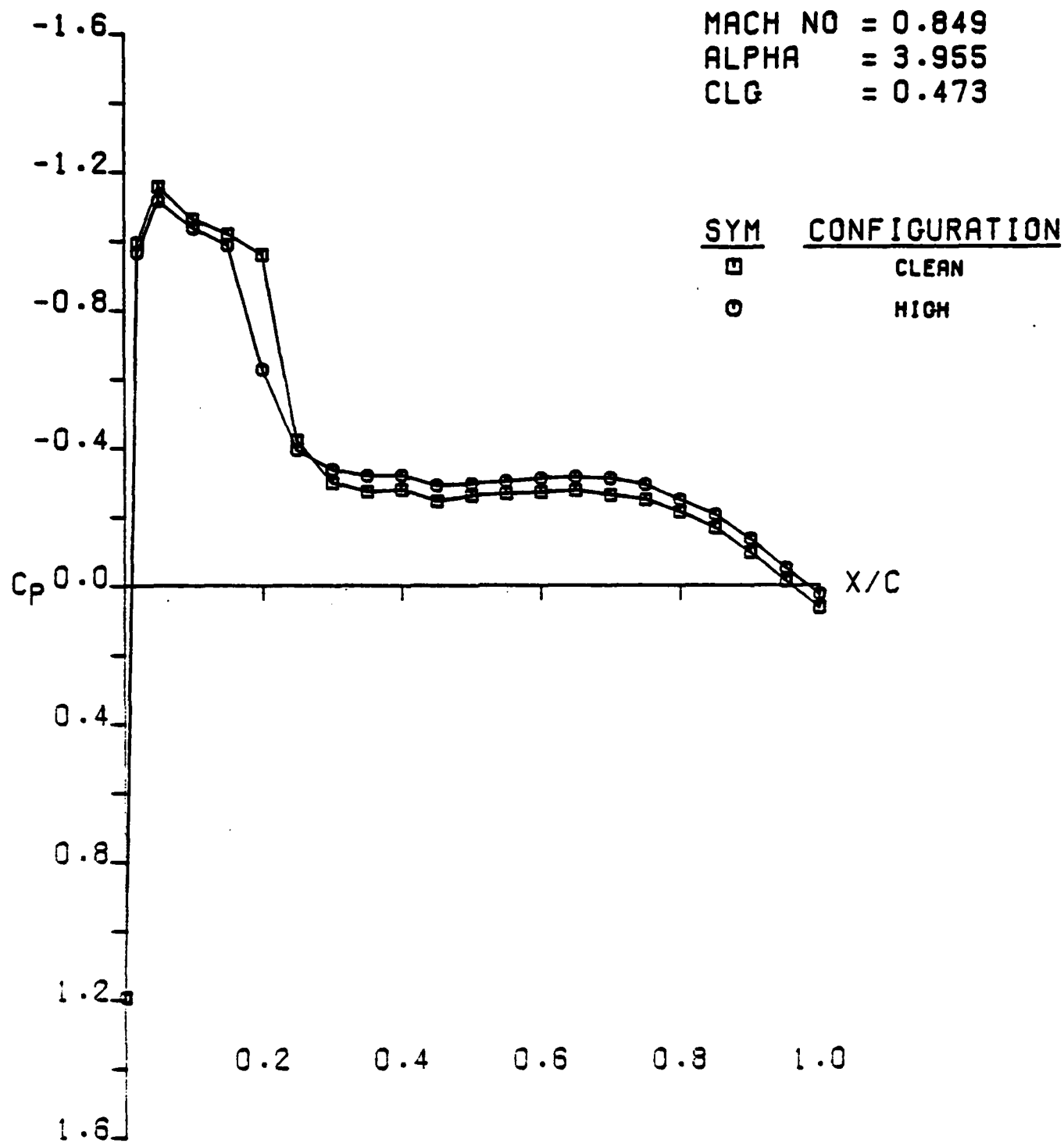
LOCKHEED CFWT SEMI-SPAN TEST, RUN 16
 CLN VS HIGH (UPR SURF)
 AFOSR SEMISPAN MODEL 8



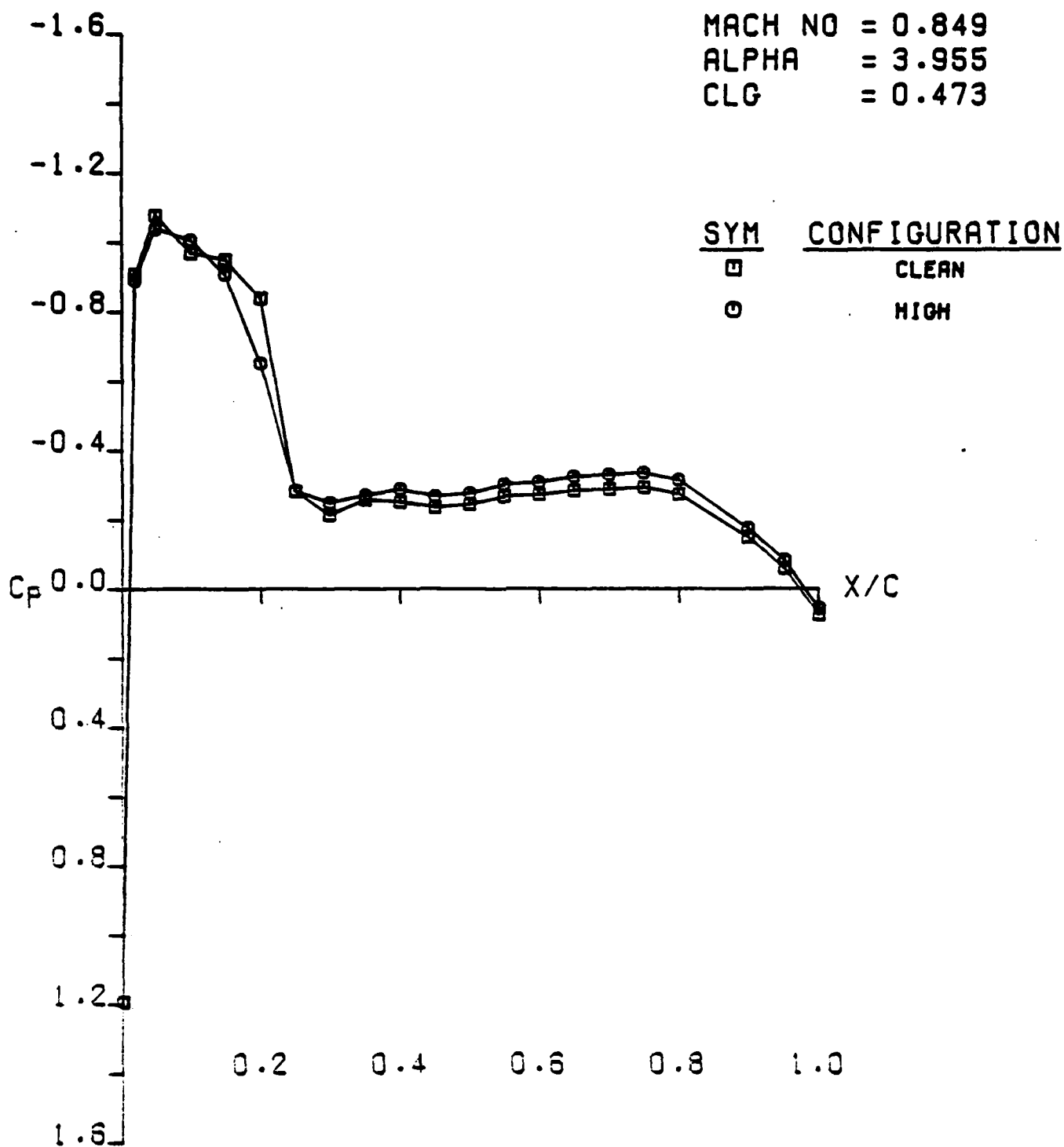
LOCKHEED CFWT SEMI-SPAN TEST, RUN 16
 CLN VS HIGH (UPR SURF ETA.216)
 AFOSR SEMISPAN MODEL B



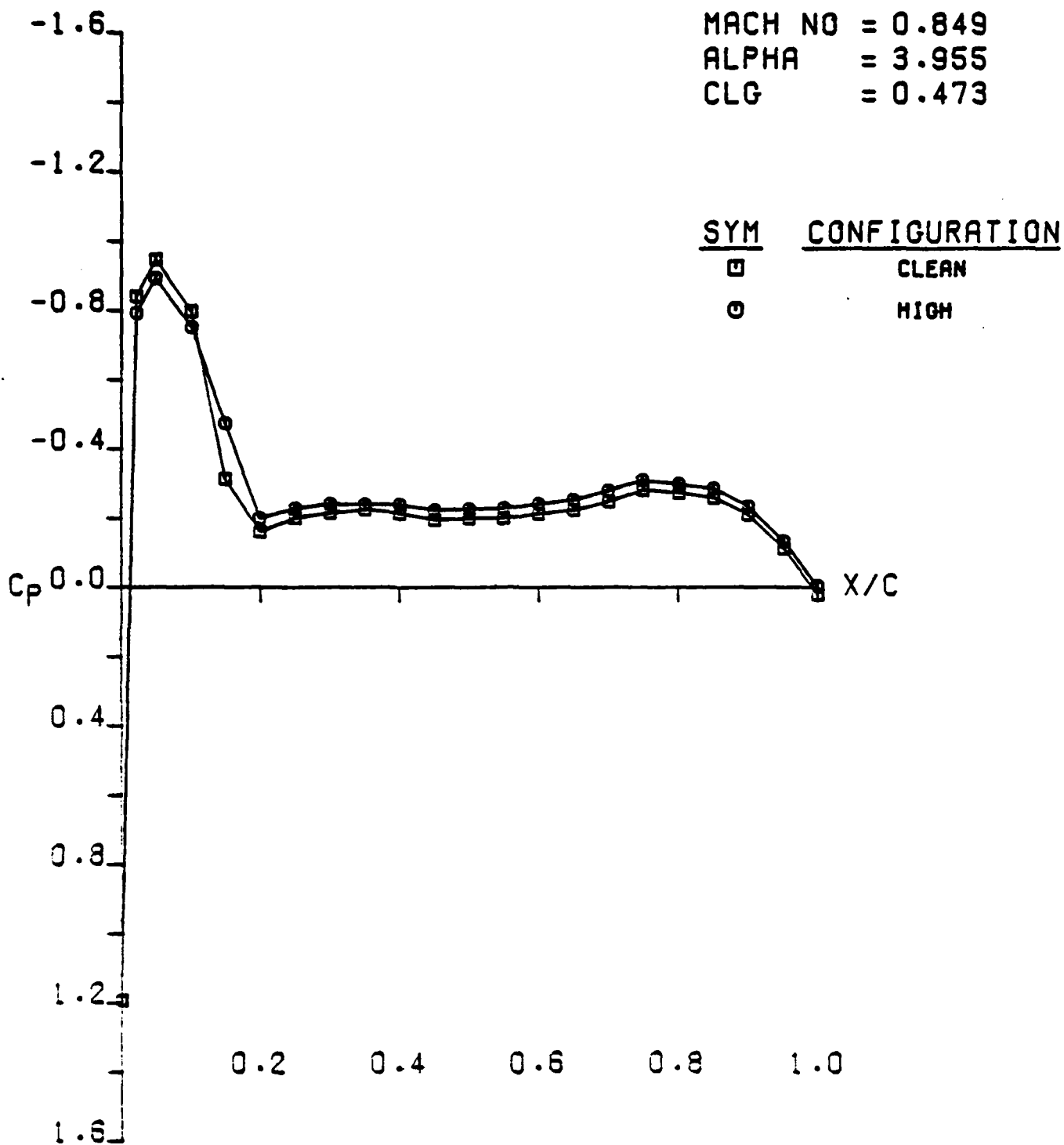
LOCKHEED CFWT SEMI-SPAN TEST, RUN 16
CLN VS HIGH (UPR SURF ETA .40)
AFOSR SEMISPAN MODEL B



LOCKHEED CFWT SEMI-SPAN TEST. RUN 16
CLN VS HIGH (UPR SURF ETA .60)
AFOSR SEMISPAN MODEL 3

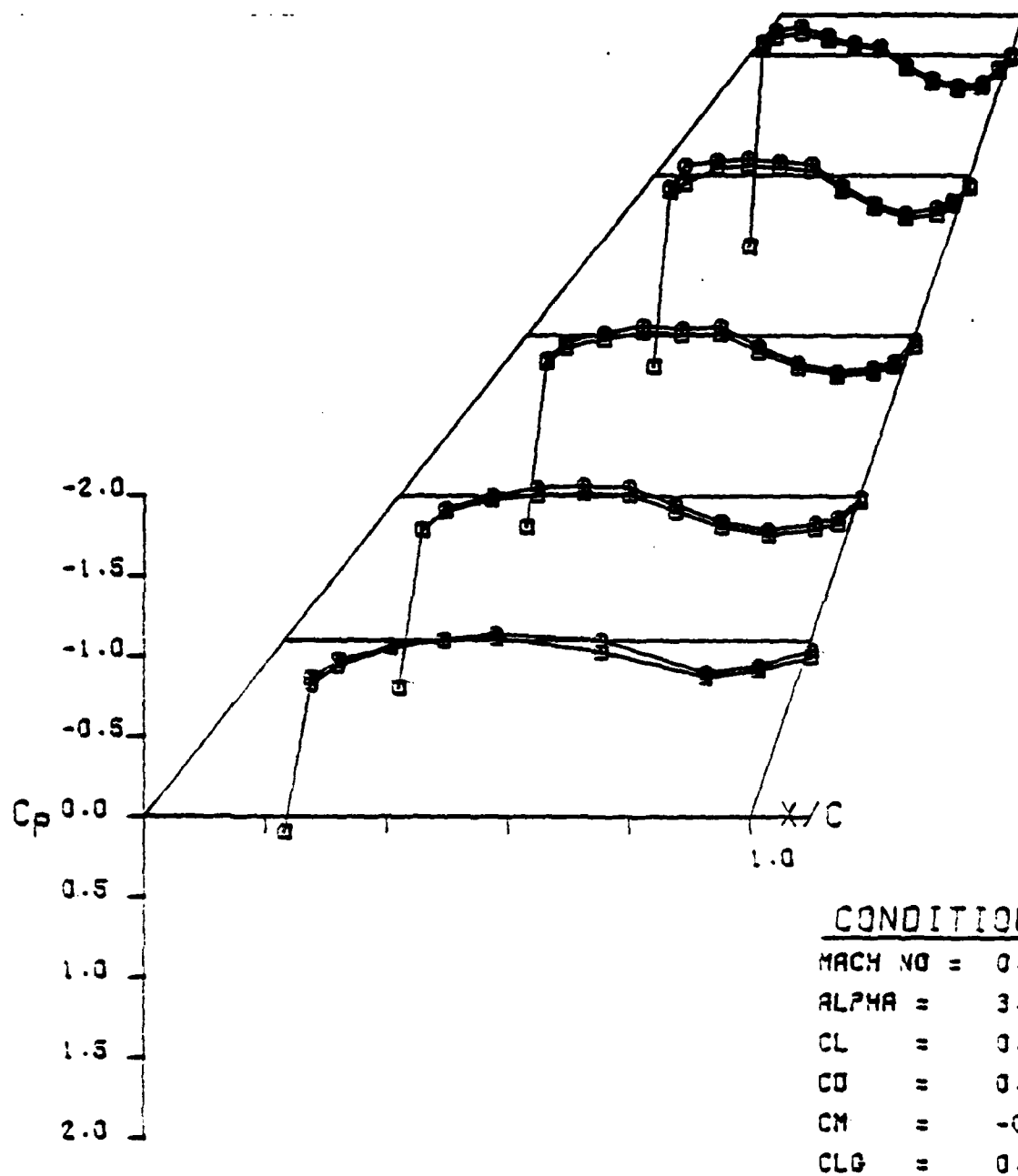


LOCKHEED CFWT SEMI-SPAN TEST, RUN 16
 CLN VS HIGH (UPR SURF ETA .8)
 AFOSR SEMISPAN MODEL B



LOCKHEED CFWT SEMI-SPAN TEST, RUN 16
 CLN VS HIGH (UPR SURF ETA .95)
 AFOSR SEMISPAN MODEL 3

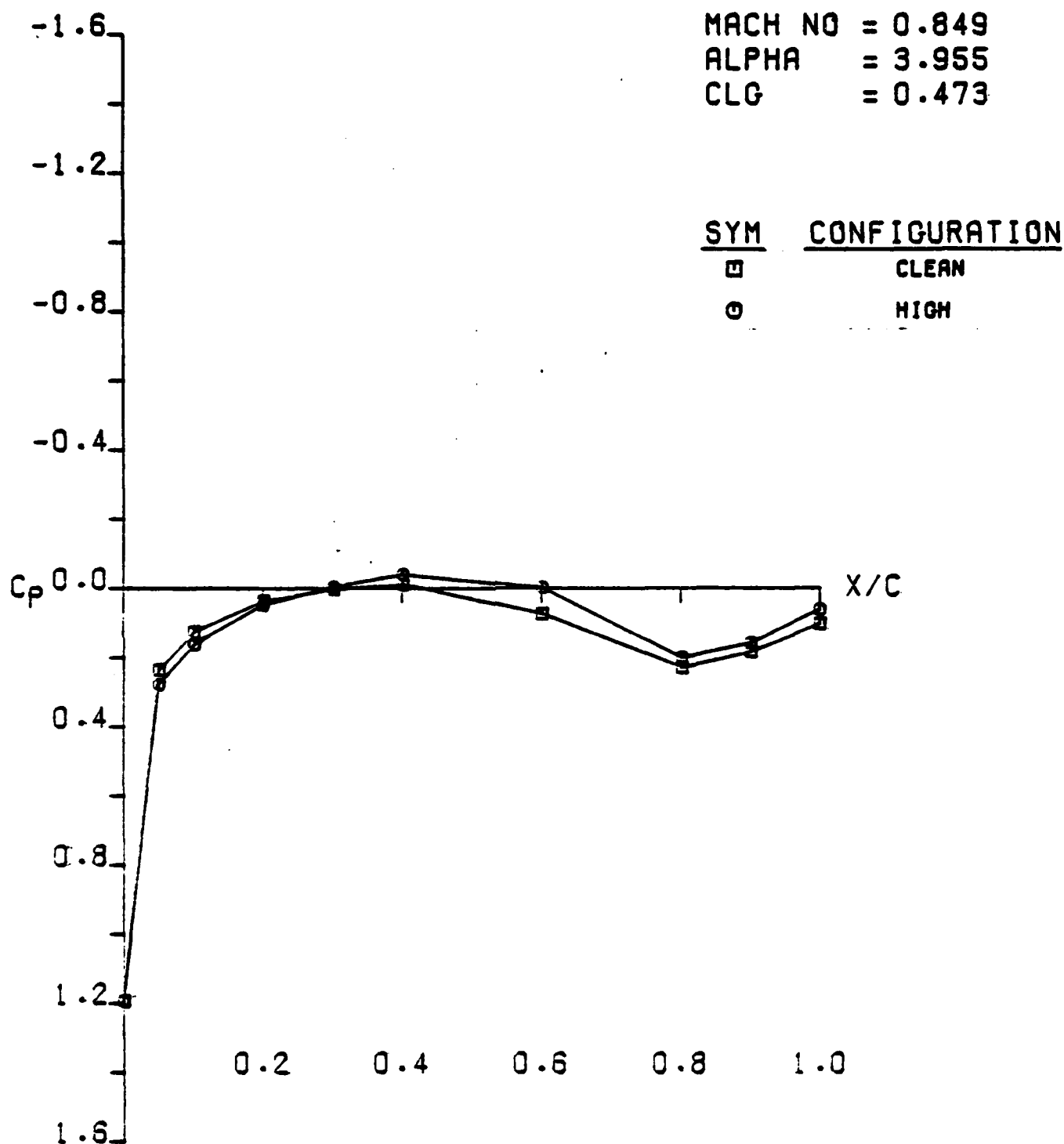
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	HIGH



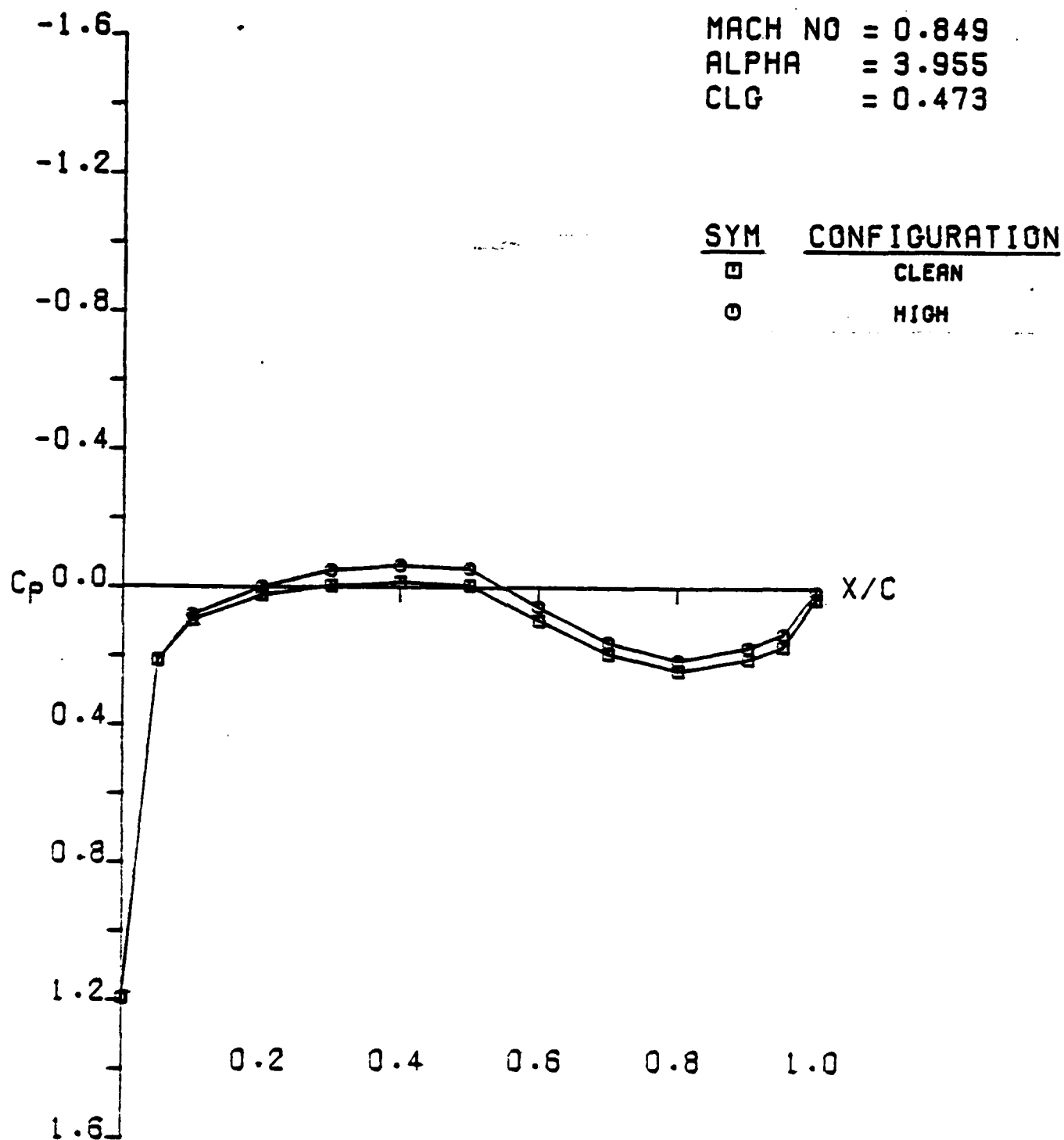
CONDITIONS

MACH NO = 0.849
 ALPHA = 3.955
 CL = 0.473
 CD = 0.033
 CM = -0.063
 CLG = 0.473

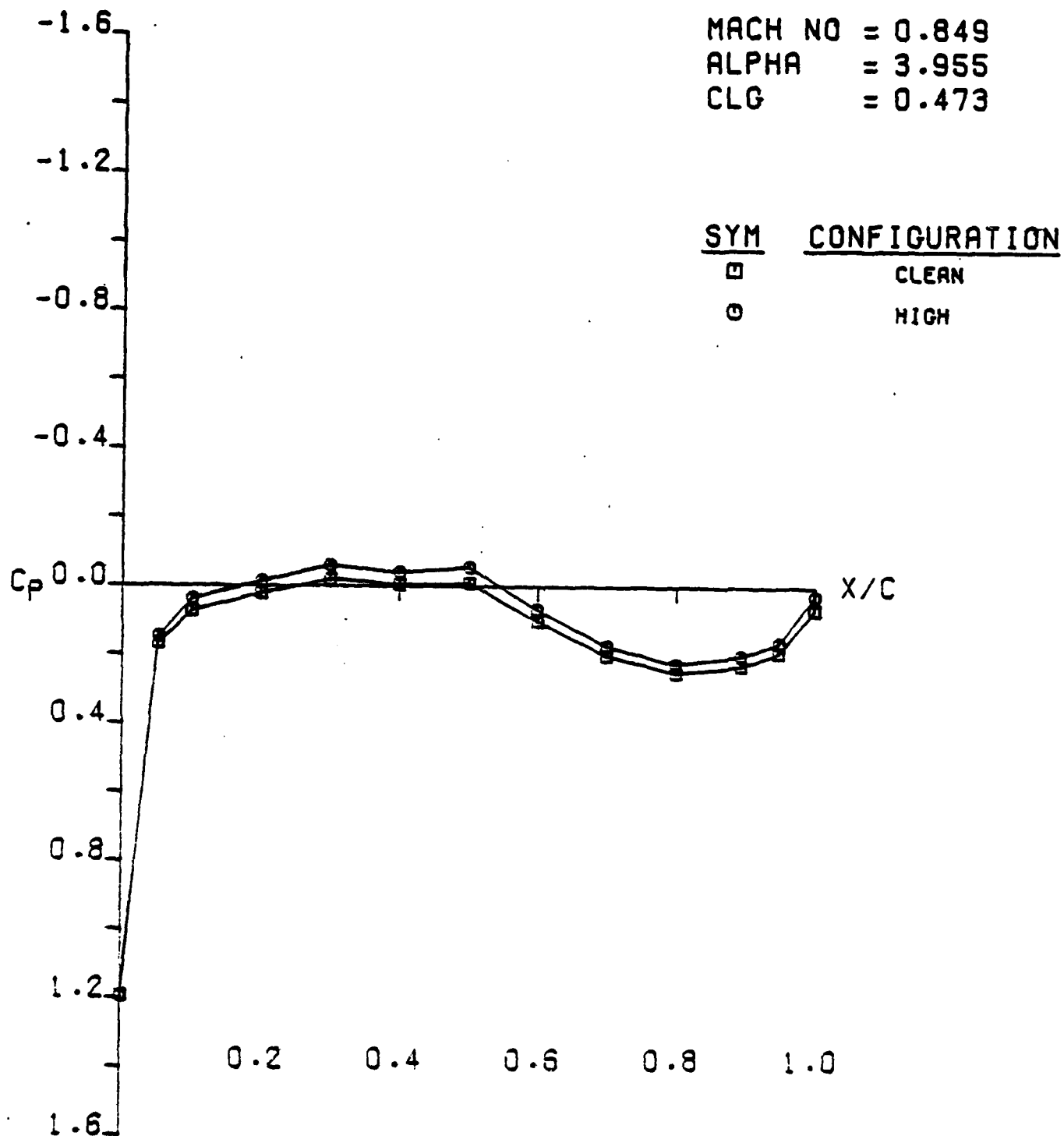
LOCKHEED CFWT SEMI-SPAN TEST, RUN 15
 CLN VS HIGH (LWR SURF)
 AFOSR SEMISPAN MODEL B



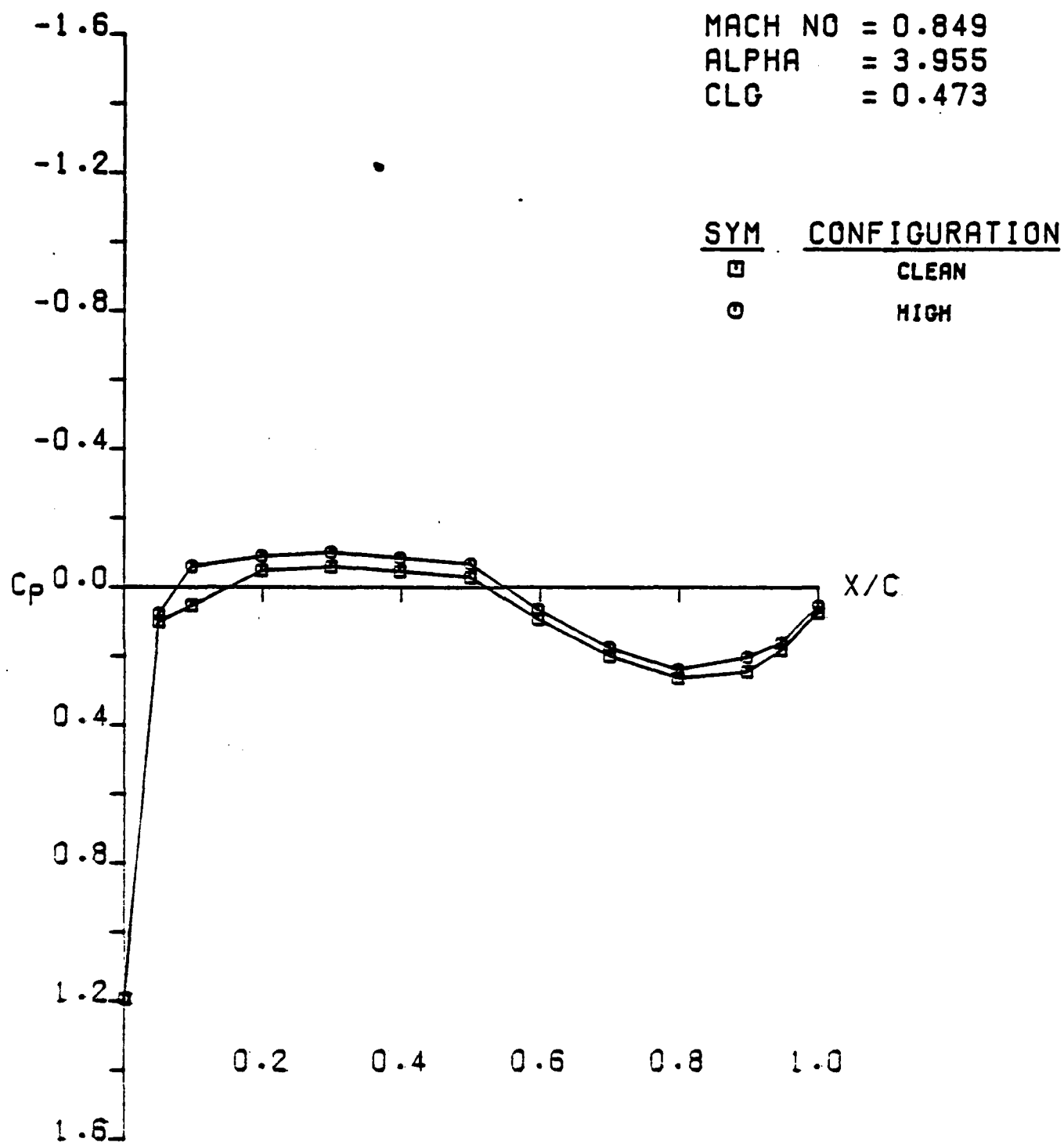
LOCKHEED CFWT SEMI-SPAN TEST, RUN 16
CLN VS HIGH (LWR SURF ETR.216)
AFOSR SEMISPAN MODEL B



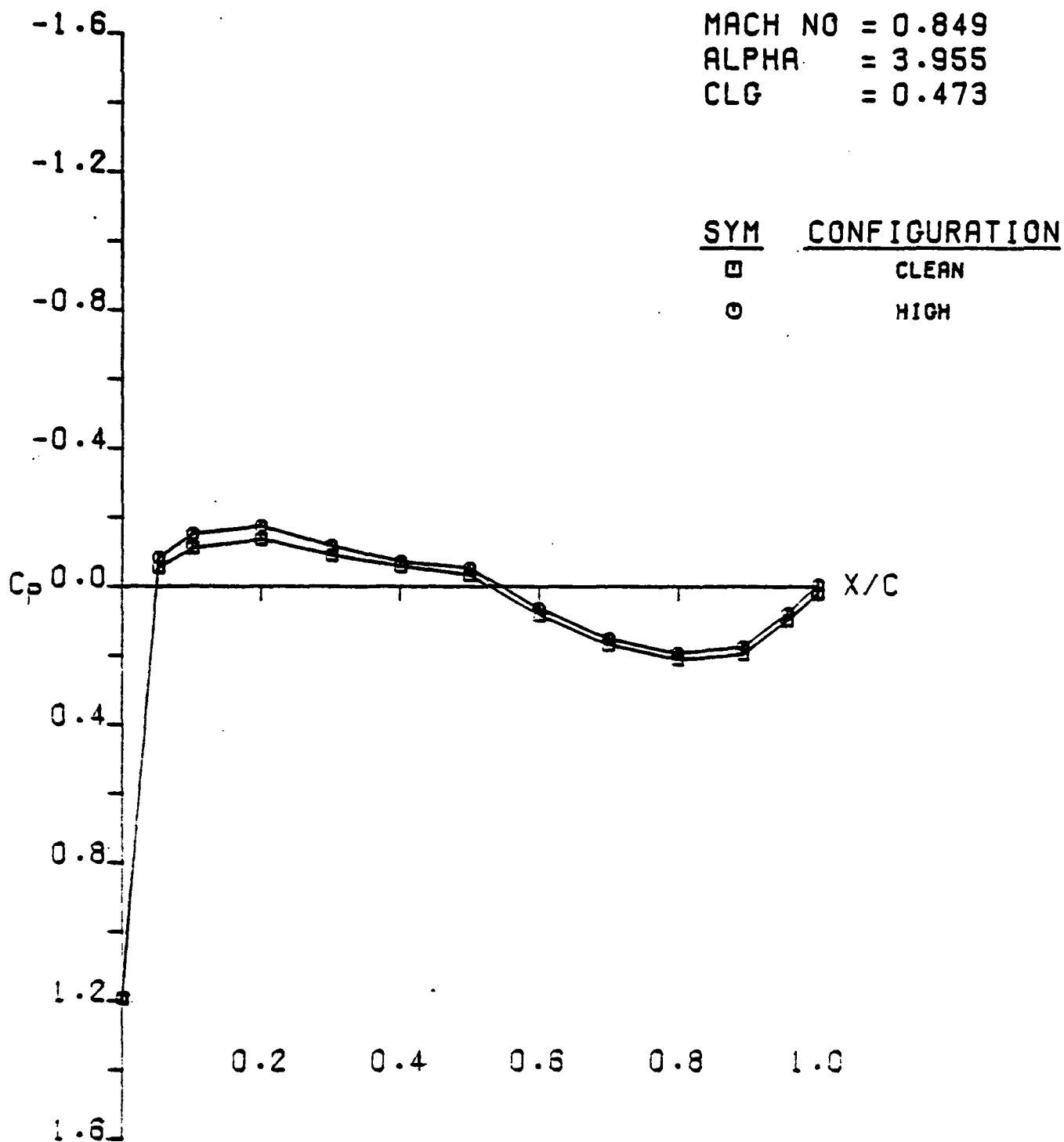
LOCKHEED CFWT SEMI-SPAN TEST, RUN 16
 CLN VS HIGH (LWR SURF ETA.4)
 AFOSR SEMISPAN MODEL B



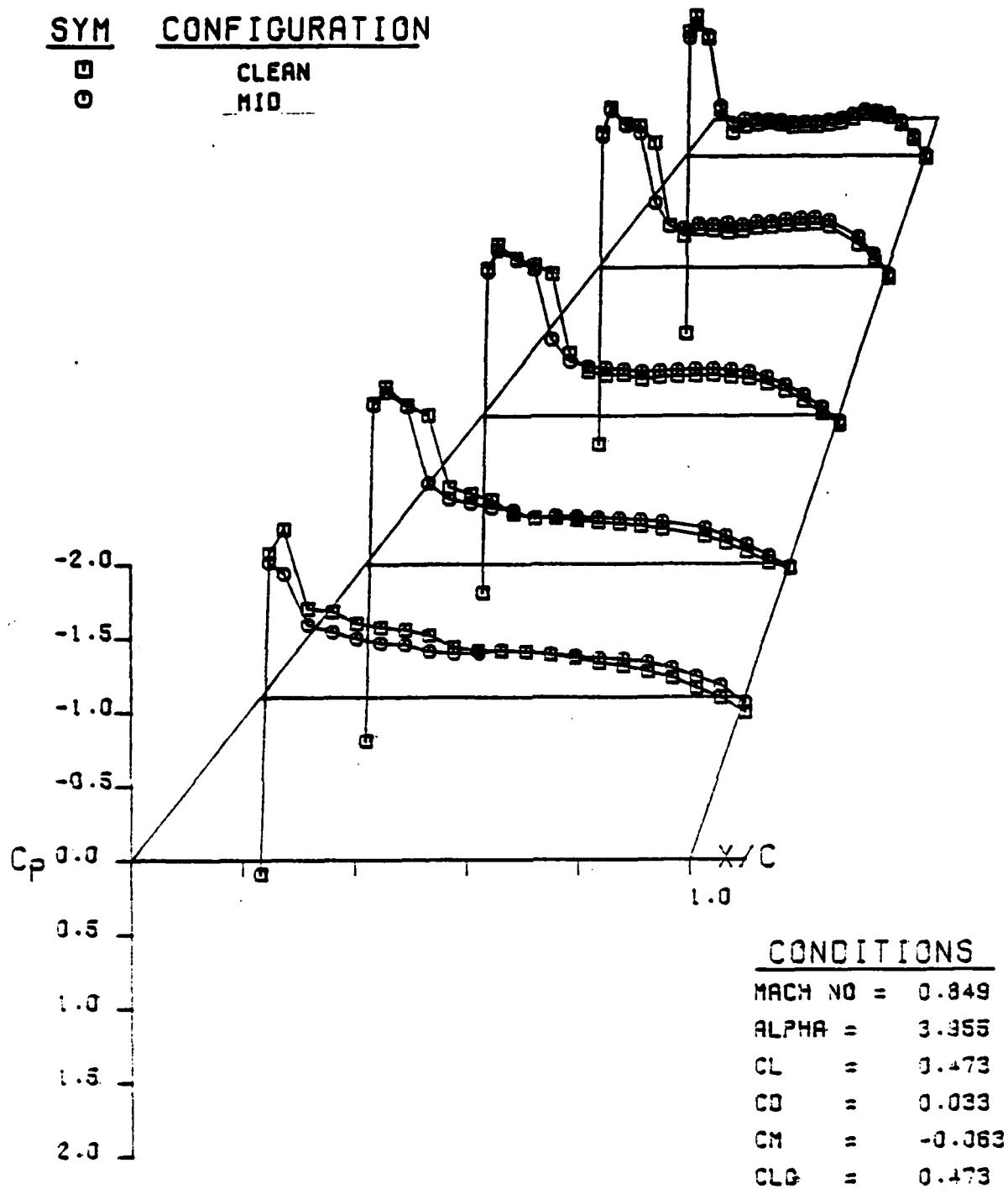
LOCKHEED CFWT SEMI-SPAN TEST. RUN 16
 CLN VS HIGH (LWR SURF ETA.50)
 AFOSR SEMISPAN MODEL B



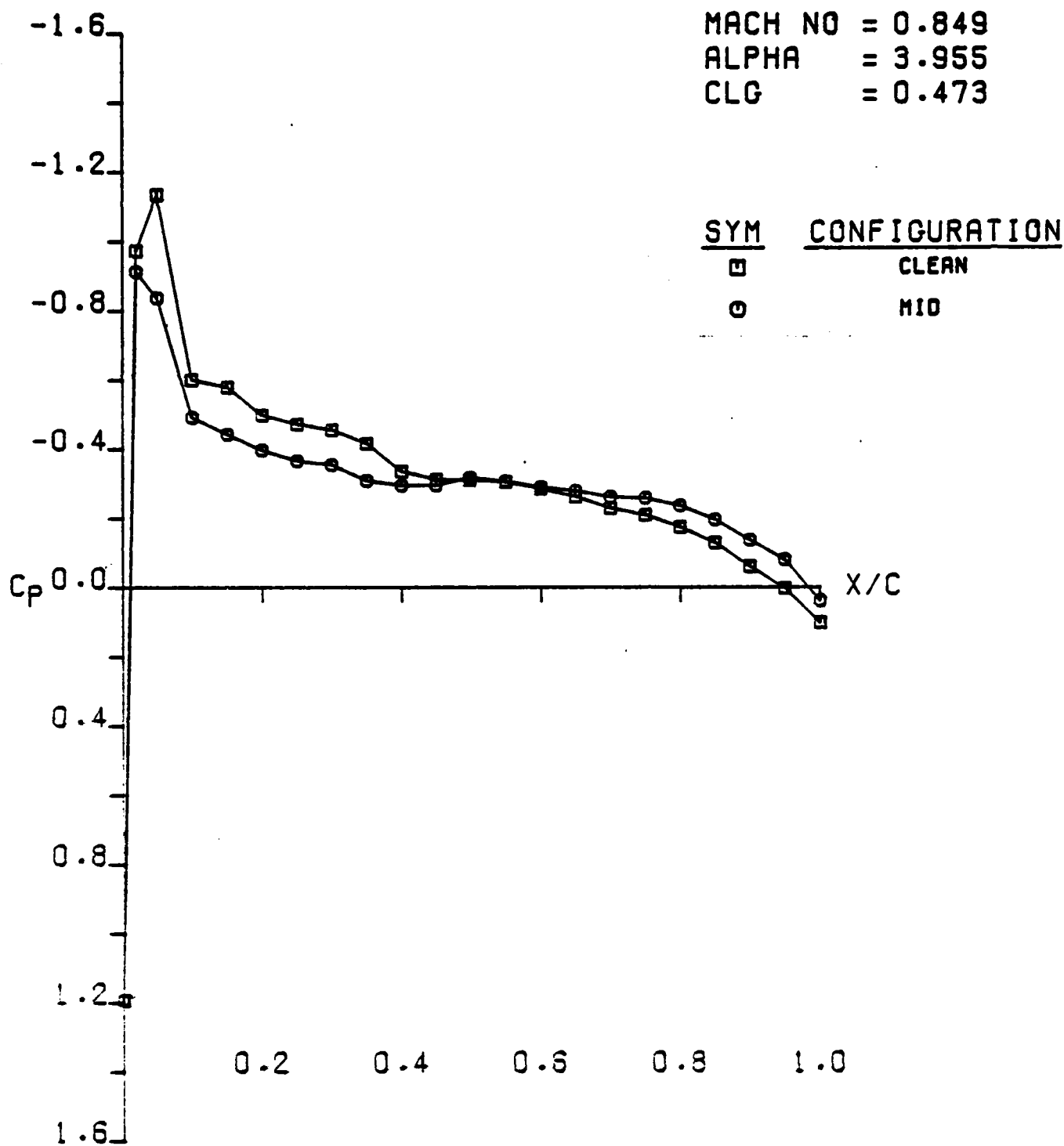
LOCKHEED CFWT SEMI-SPAN TEST, RUN 16
CLN VS HIGH (LWR SURF ETA.8)
AFOSR SEMISPAN MODEL B



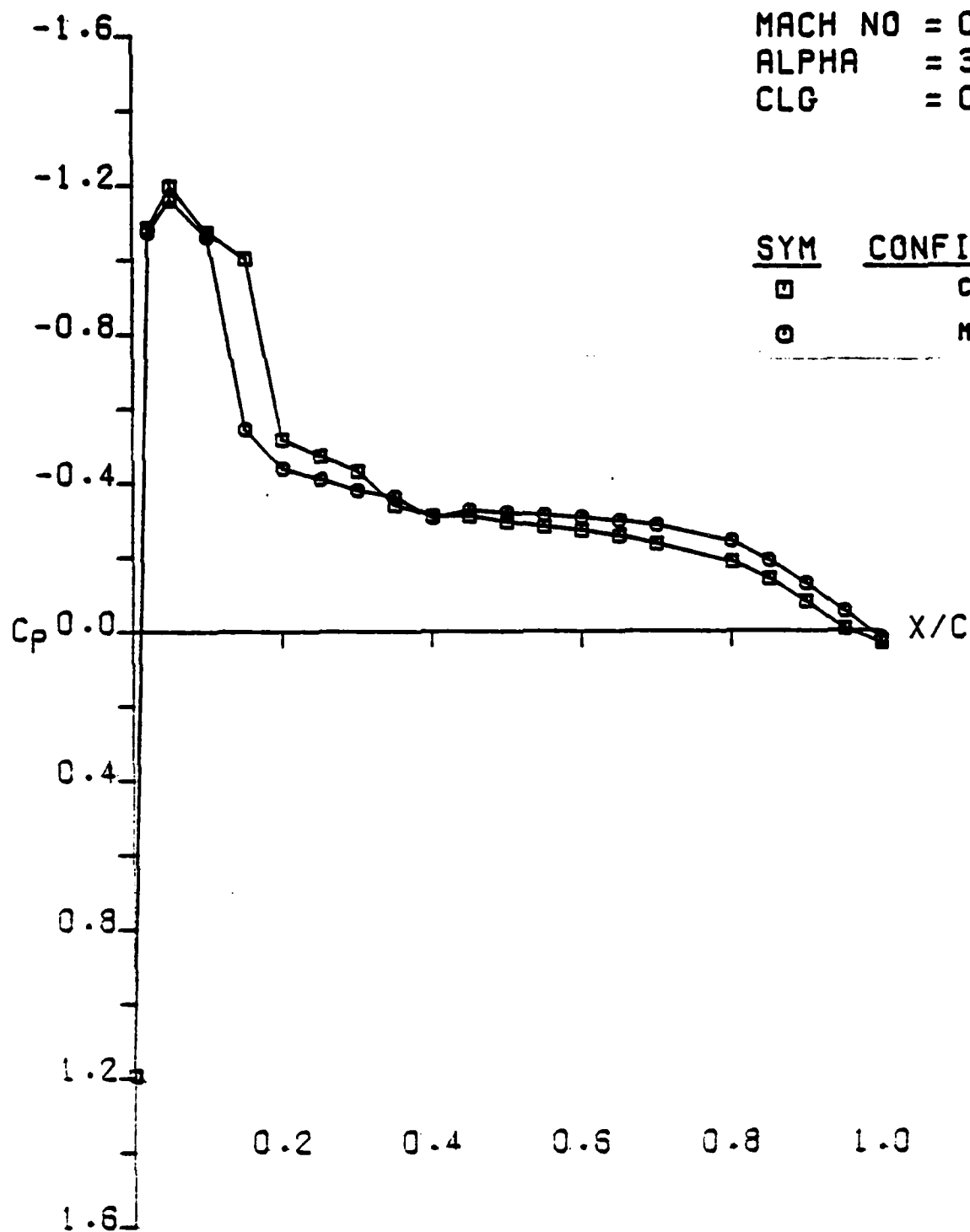
LOCKHEED CFWT SEMI-SPAN TEST, RUN 16
 CLN VS HIGH (LWR SURF ETA.95)
 AFOSR SEMISPAN MODEL B



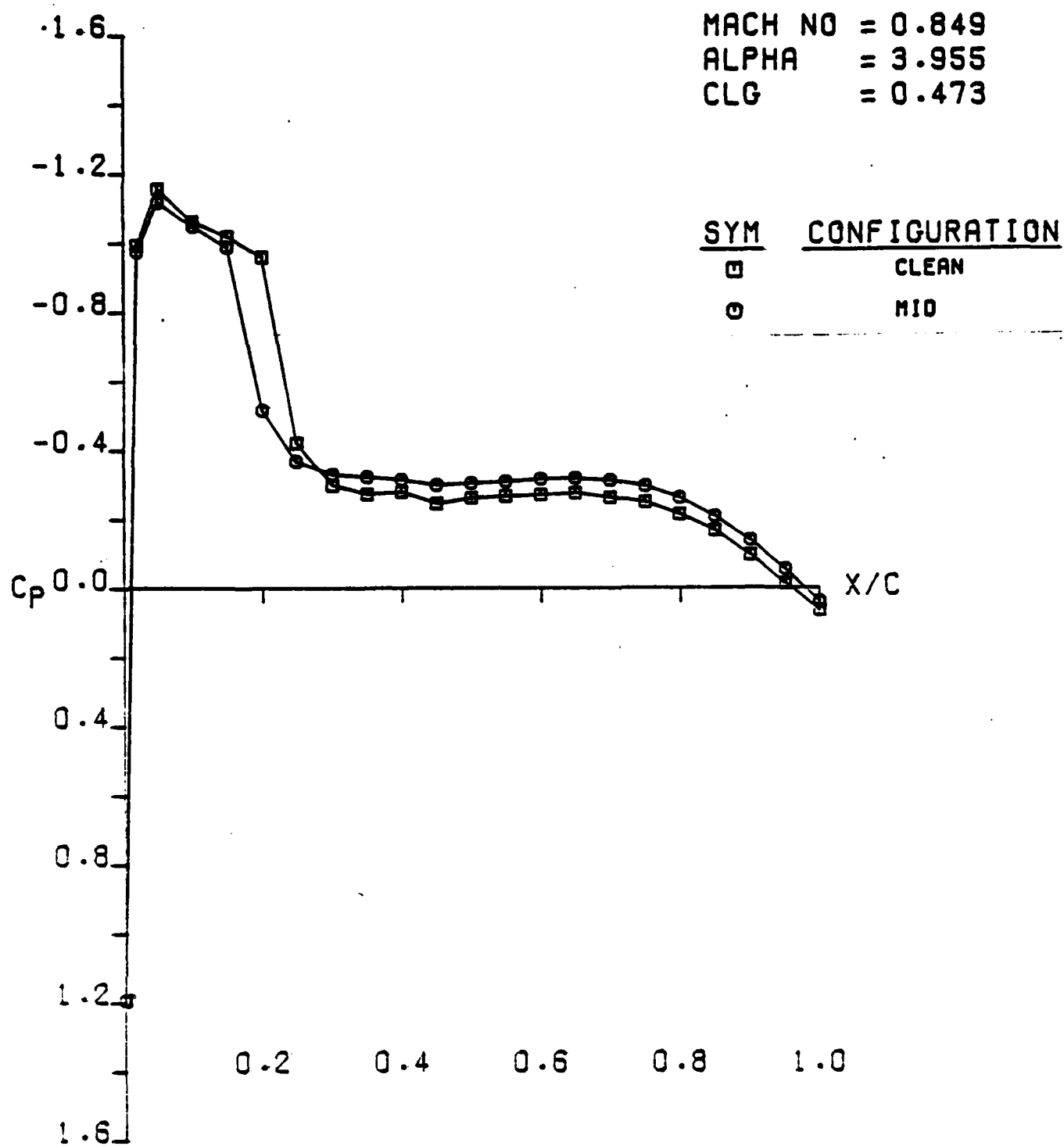
LOCKHEED CFWT SEMI-SPAN TEST, RUN 16
 CLN VS MID (UPR SURF)
 AFOSR SEMISPAN MODEL 3



LOCKHEED CFWT SEMI-SPAN TEST, RUN 16
CLN VS MID (UPR SURF ETA.216)
AFOSR SEMISPAN MODEL B

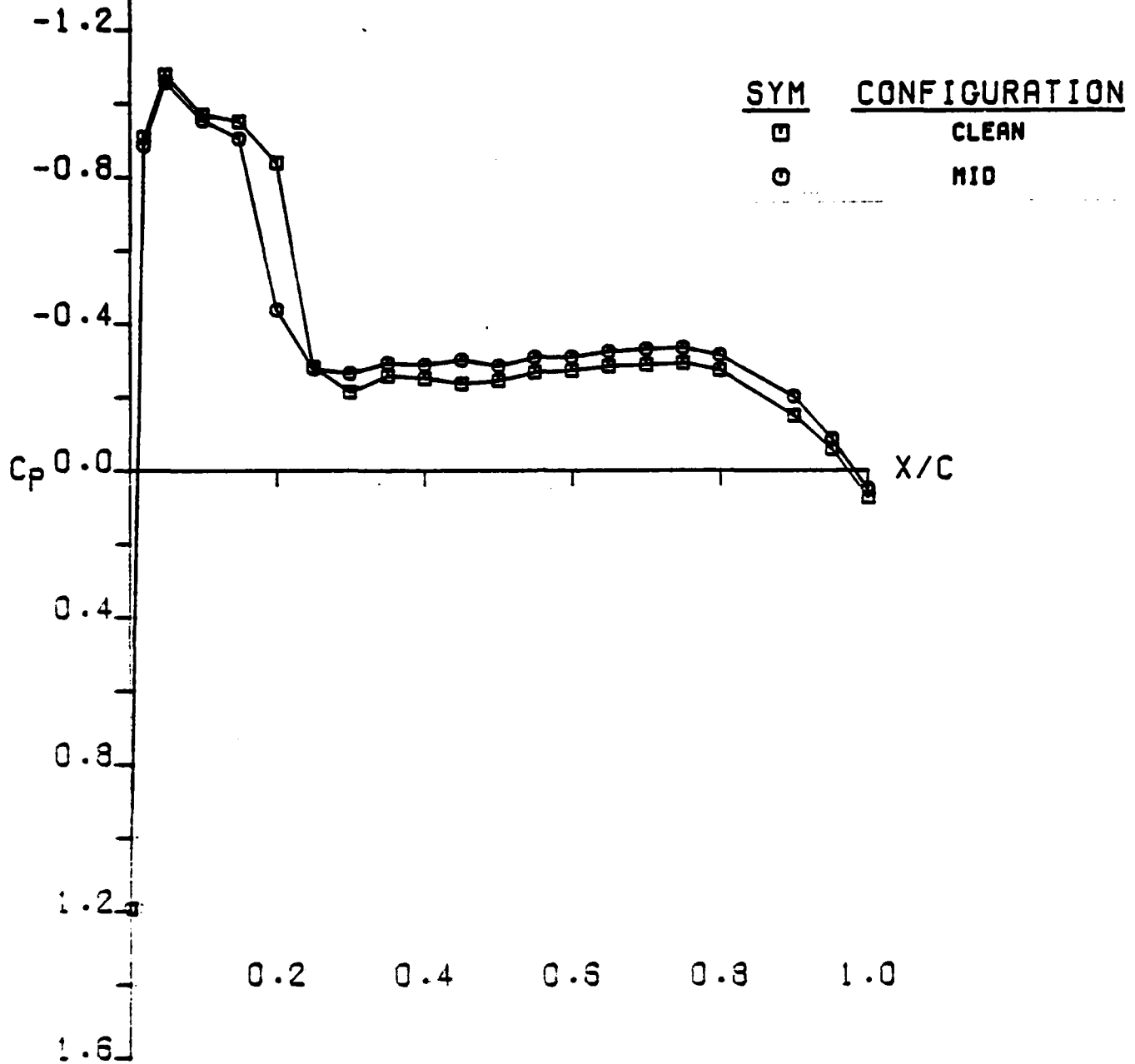


LOCKHEED CFWT SEMI-SPAN TEST, RUN 16
 CLN VS MID (UPR SURF ETA .40)
 AFOSR SEMISPAN MODEL B

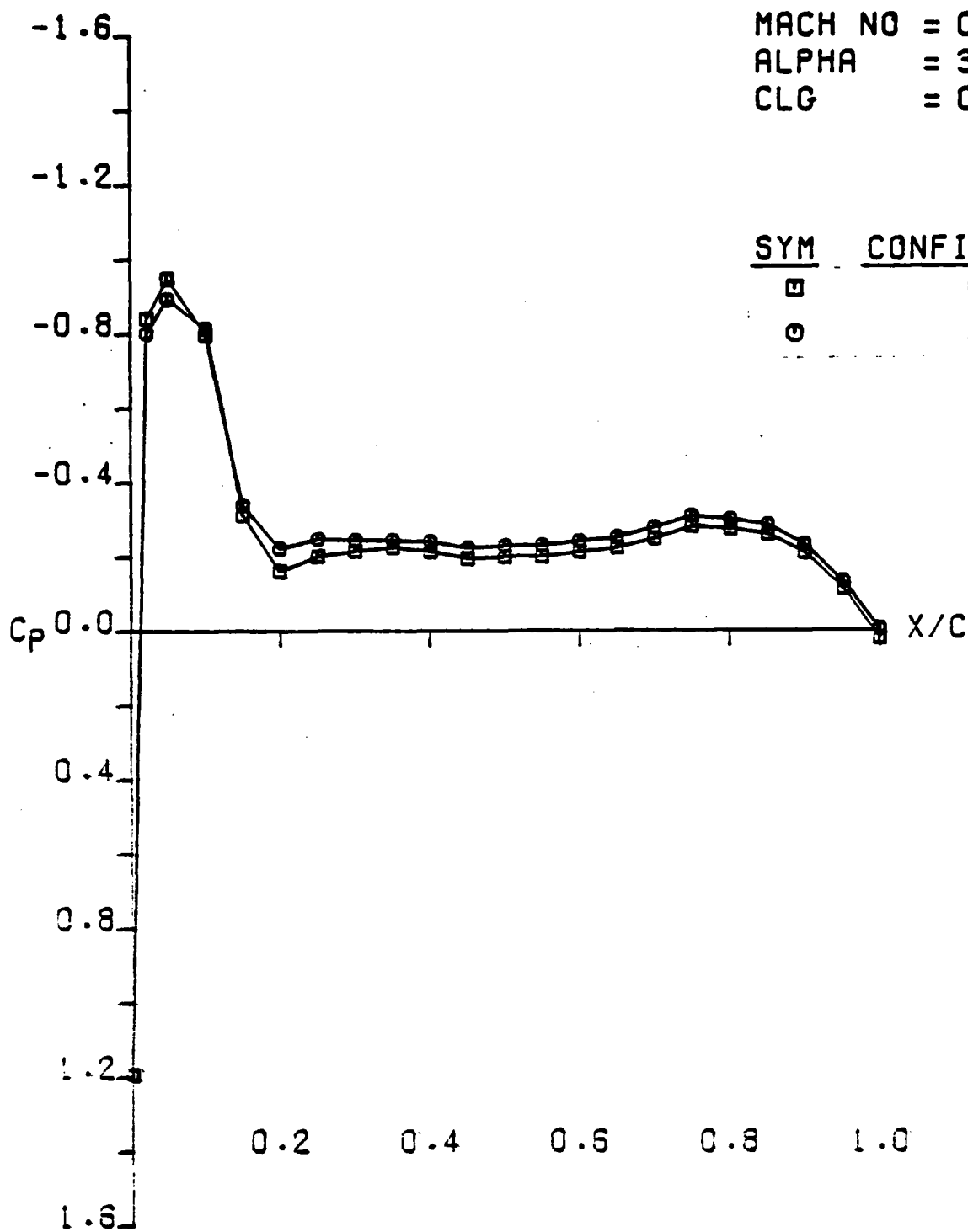


LOCKHEED CFWT SEMI-SPAN TEST, RUN 16
CLN VS MID (UPR SURF ETA .60)
AFOSR SEMISPAN MODEL B

MACH NO = 0.849
 ALPHA = 3.955
 CLG = 0.473



LOCKHEED CFWT SEMI-SPAN TEST, RUN 16
 CLN VS MID (UPR SURF ETA .8)
 AFOSR SEMISPAN MODEL B

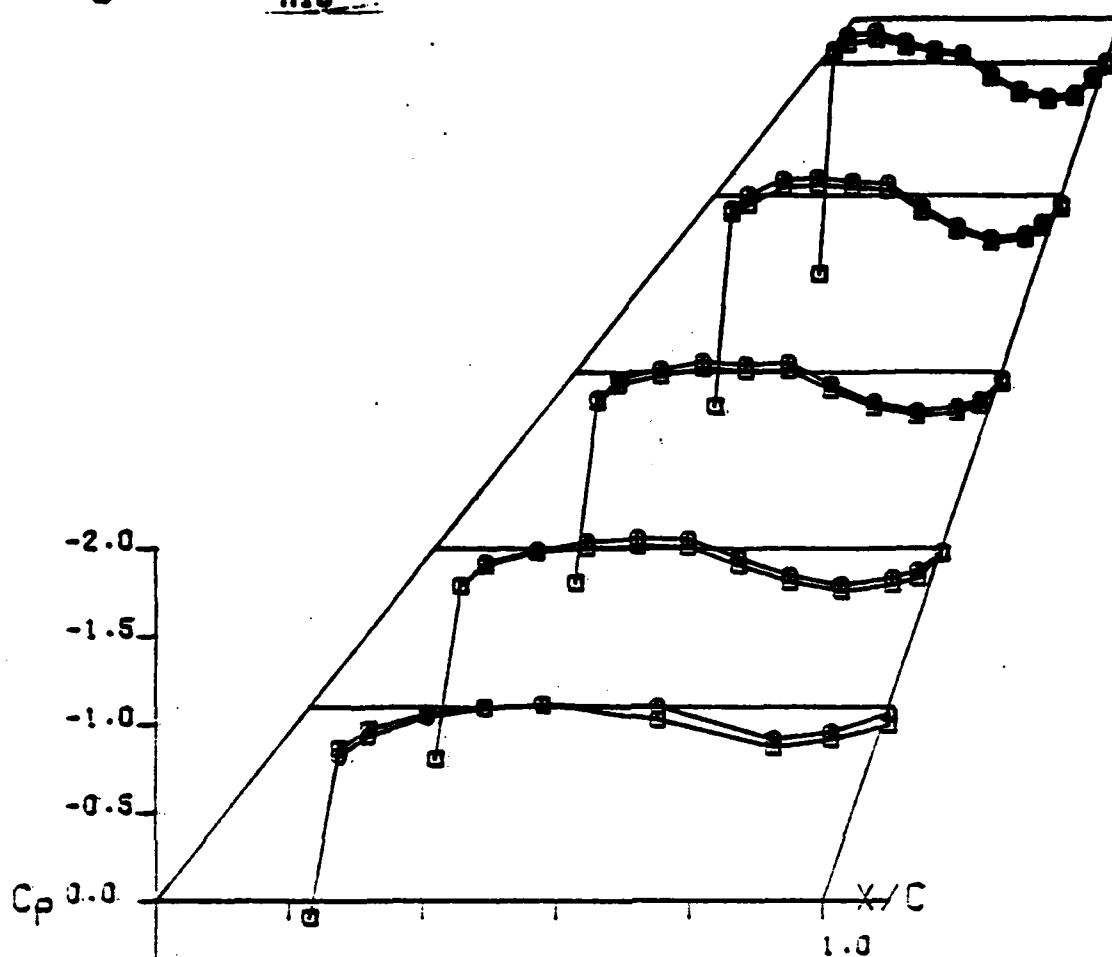


LOCKHEED CFWT SEMI-SPAN TEST, RUN 15
 CLN VS MID (UPR SURF ETA .95)
 AFOSR SEMISPAN MODEL 3

SYM CONFIGURATION

□
○

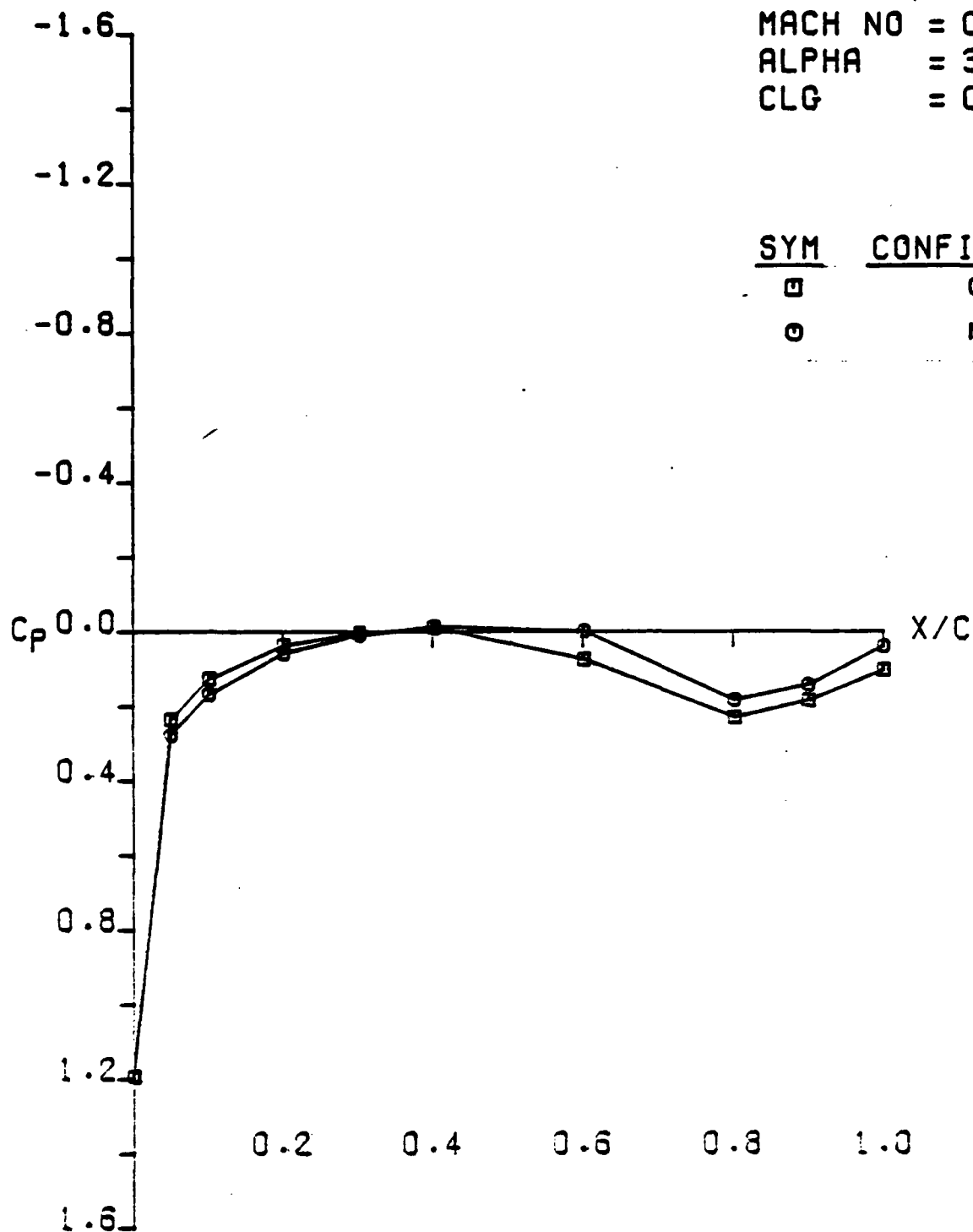
**CLEAN
MID**



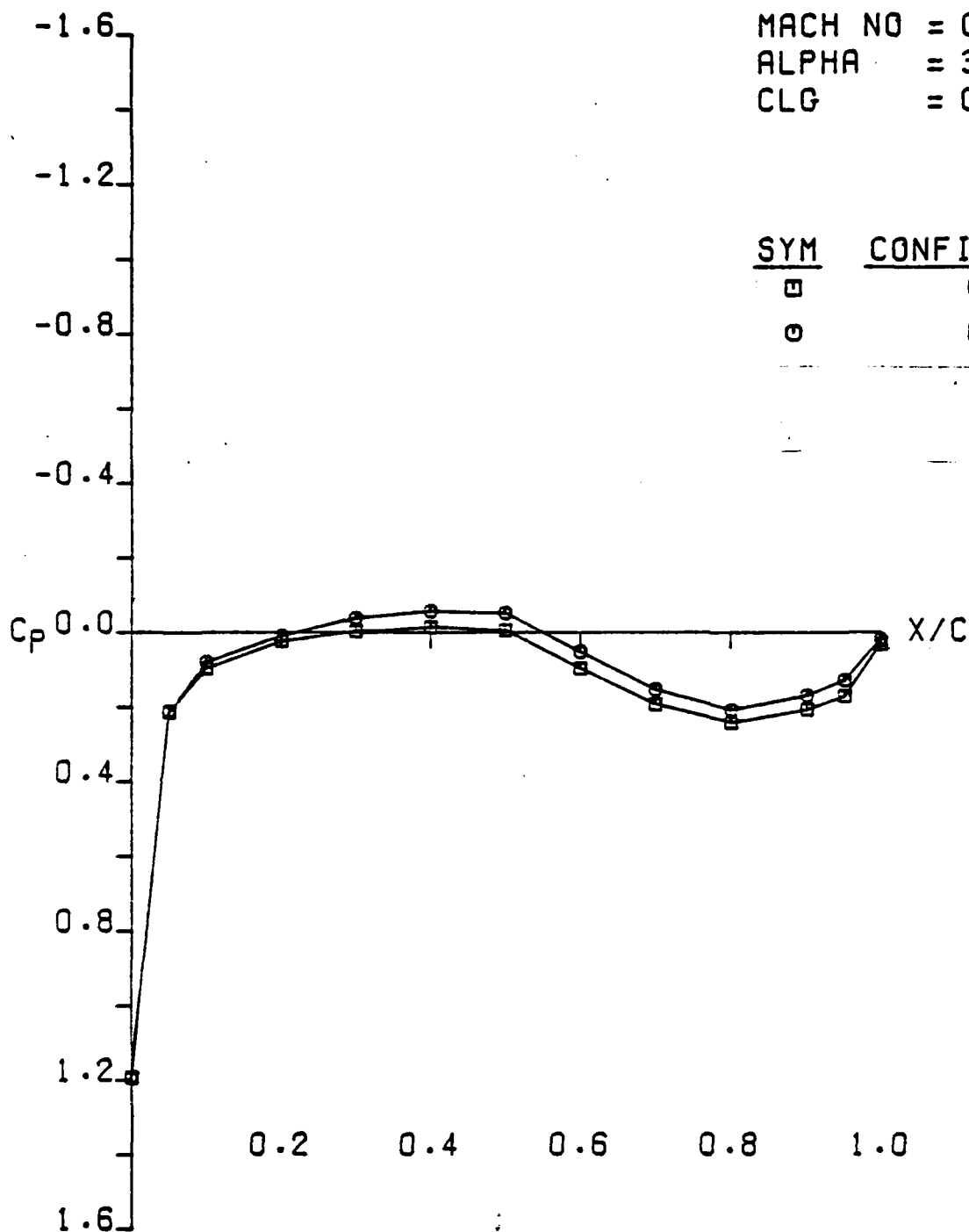
CONDITIONS

MACH NO = 0.849
 ALPHA = 3.955
 CL = 0.473
 CD = 0.033
 CM = -0.063
 CLG = 0.473

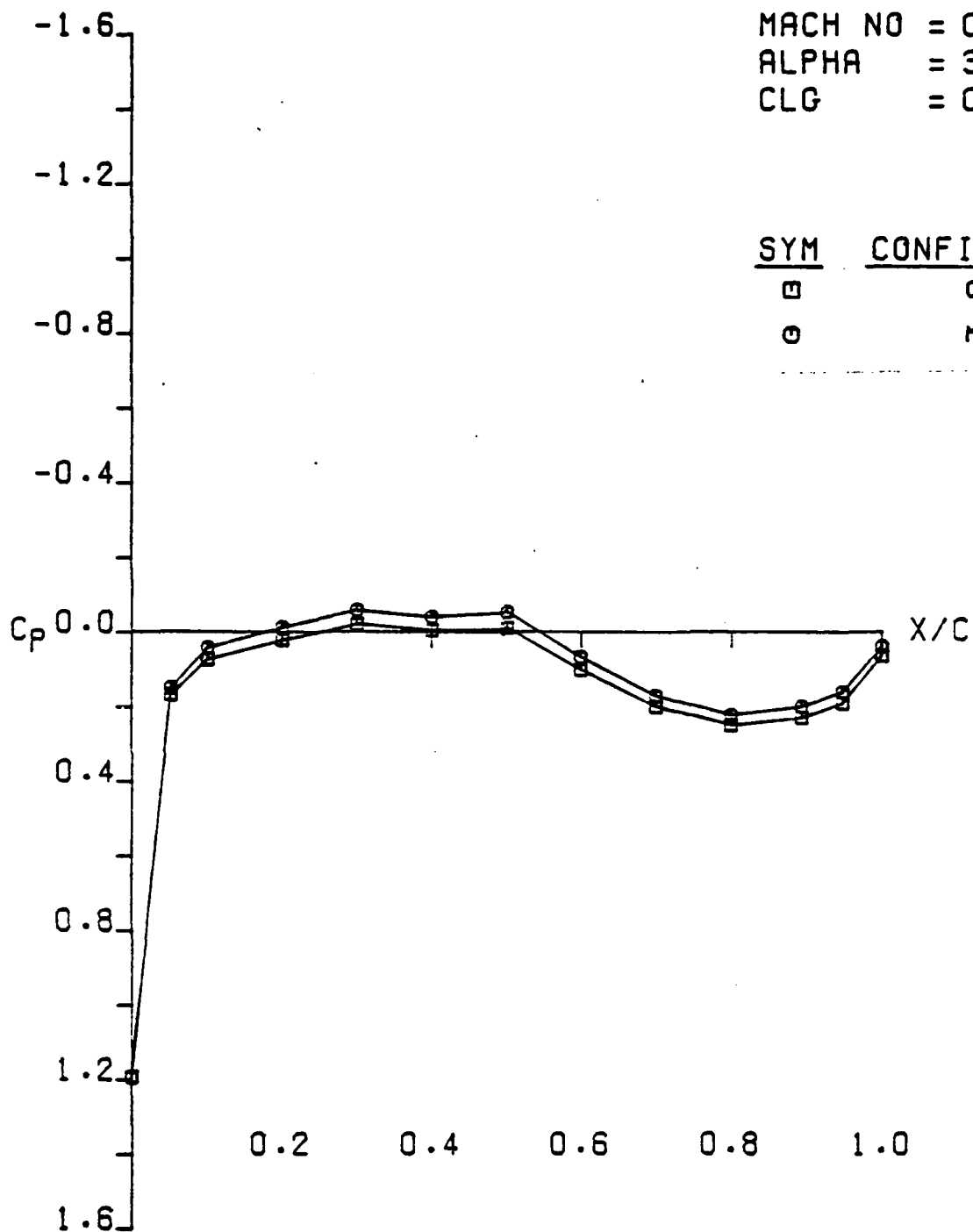
LOCKHEED CFWT SEMI-SPAN TEST, RUN 16
 CLN VS MID (LWR SURF)
 AFOSR SEMISPAN MODEL 3



LOCKHEED CFWT SEMI-SPAN TEST, RUN 16
 CLN VS MID (LWR SURF ETA.213)
 AFOSR SEMISPAN MODEL 3



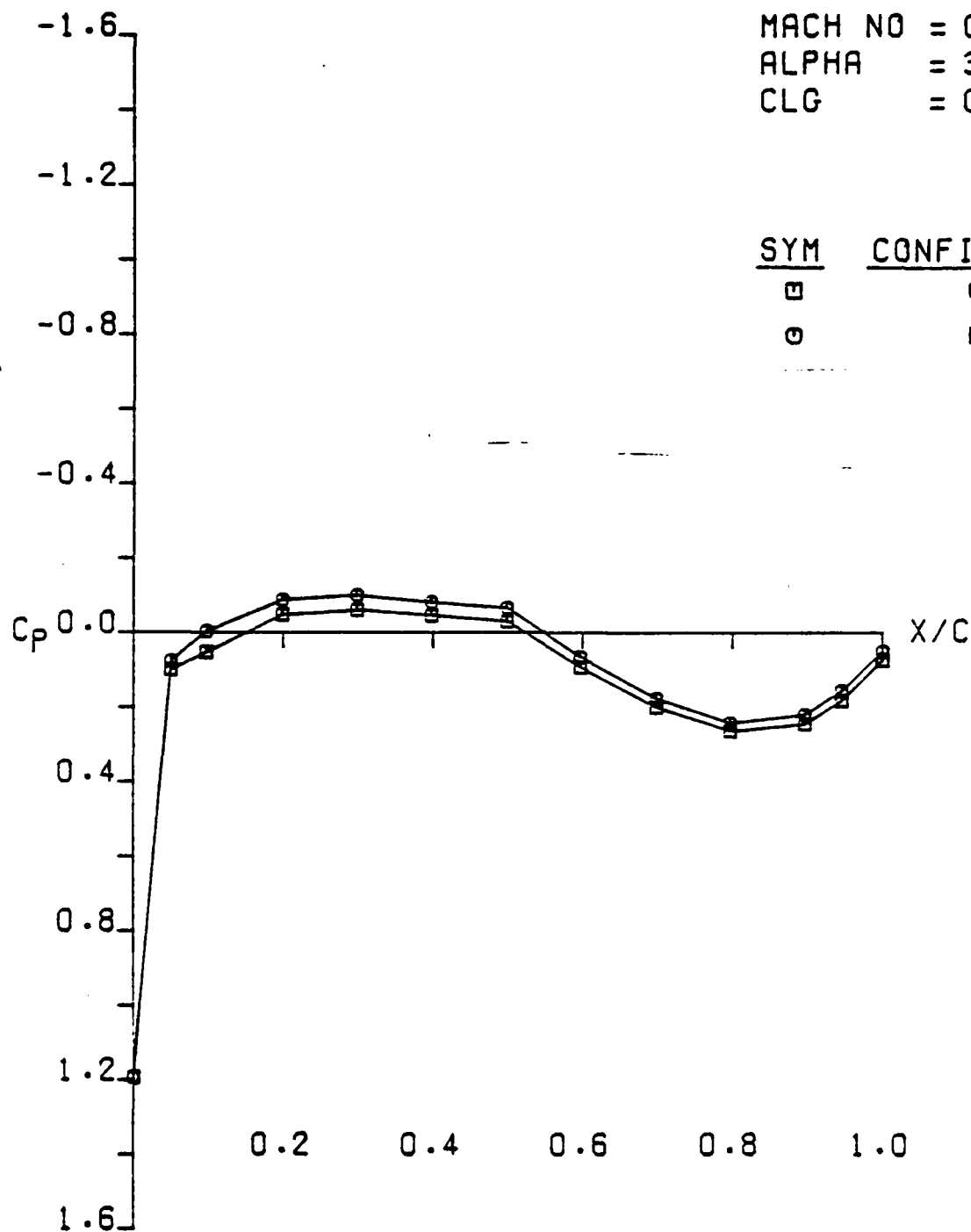
LOCKHEED CFWT SEMI-SPAN TEST, RUN 16
 CLN VS MID (LWR SURF ETA.4)
 AFOSR SEMISPAN MODEL B



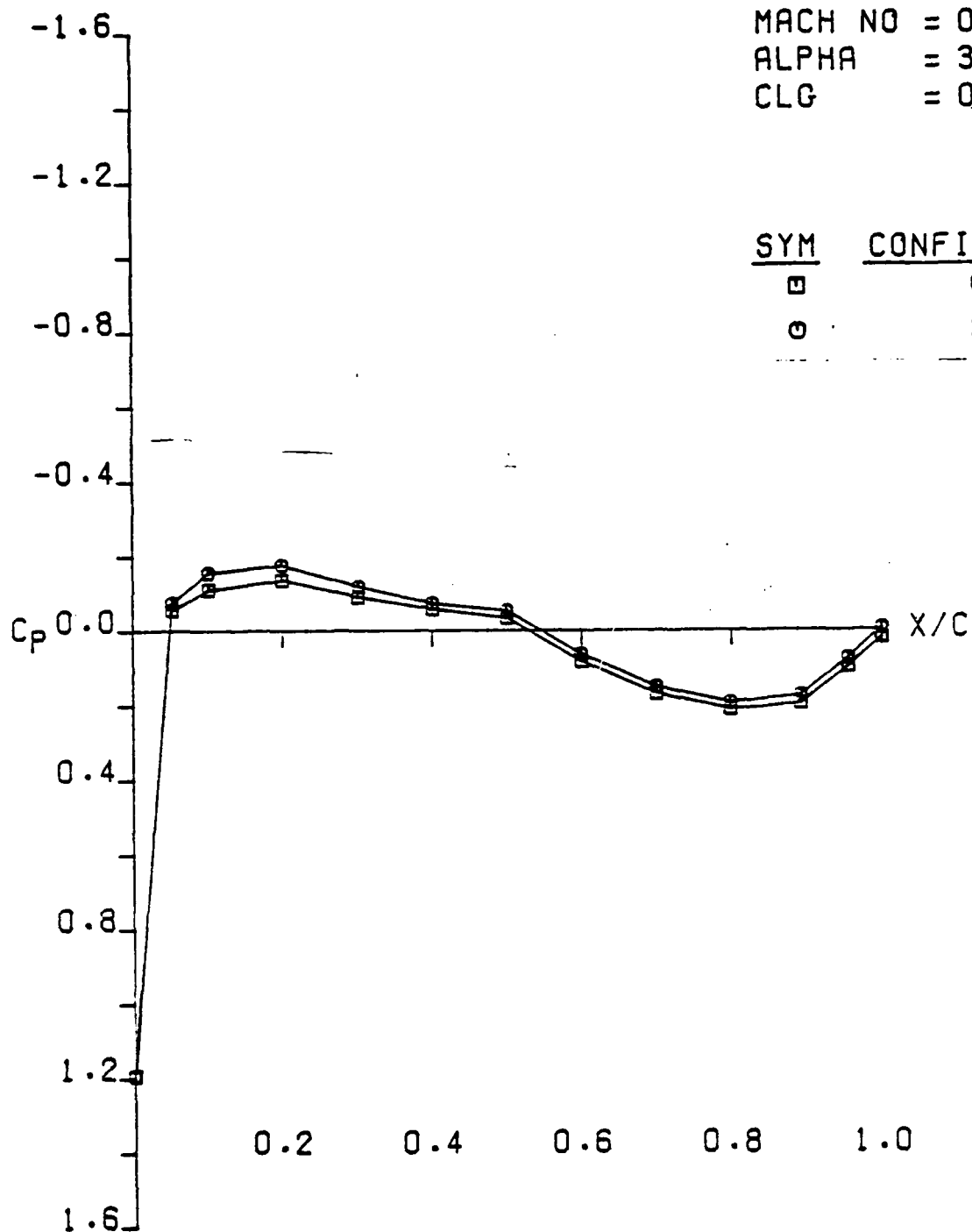
MACH NO = 0.849
 ALPHA = 3.955
 CLG = 0.473

SYM	CONFIGURATION
□	CLEAN
○	MID

LOCKHEED CFWT SEMI-SPAN TEST, RUN 16
 CLN VS MID (LWR SURF ETA.60)
 AFOSR SEMISPAN MODEL B



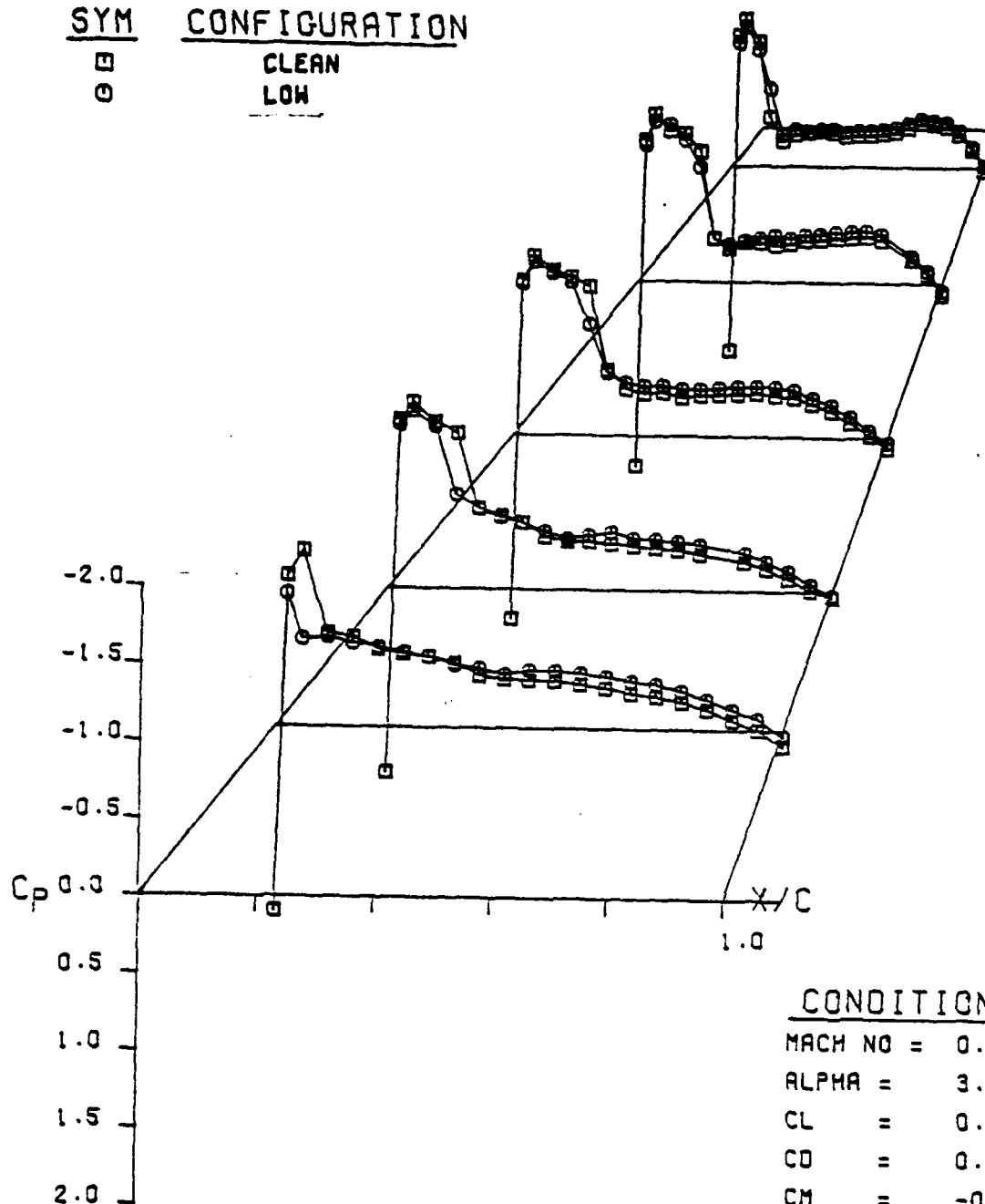
LOCKHEED CFWT SEMI-SPAN TEST, RUN 16
 CLN VS MID (LWR SURF ETA.8)
 AFOSR SEMISPAN MODEL B



LOCKHEED CFWT SEMI-SPAN TEST, RUN 16
 CLN VS MID (LWR SURF ETA.95)
 AFOSR SEMISPAN MODEL B

SYM CONFIGURATION

□ CLEAN
○ LOW

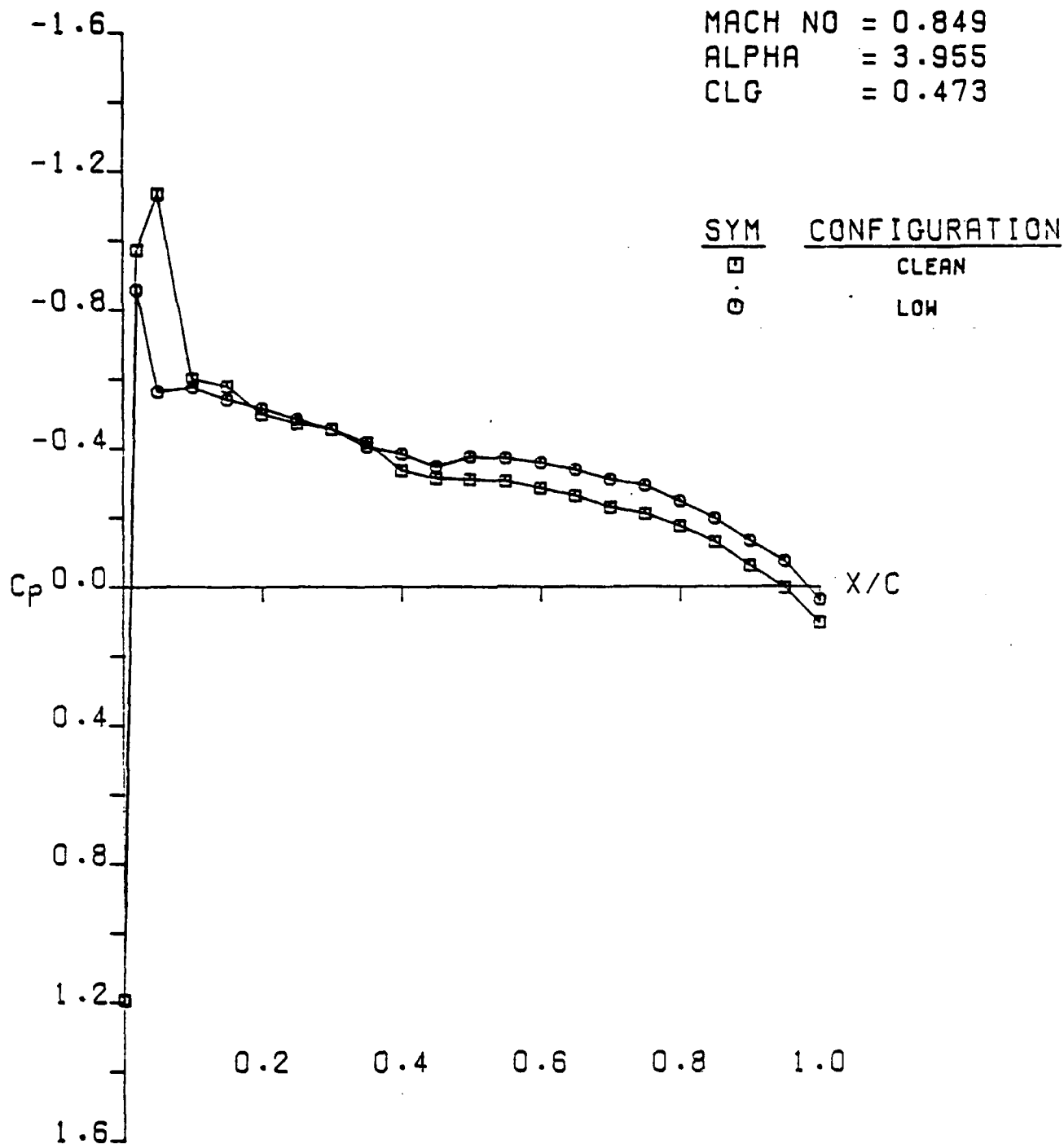


CONDITIONS

MACH NO = 0.849
ALPHA = 3.955
CL = 0.473
CD = 0.033
CM = -0.063
CLG = 0.473

LOCKHEED CFWT SEMI-SPAN TEST, RUN 16
CLN VS LOW (UPR SURF)
AFOSR SEMISPAN MODEL B

MACH NO = 0.849
 ALPHA = 3.955
 CLG = 0.473

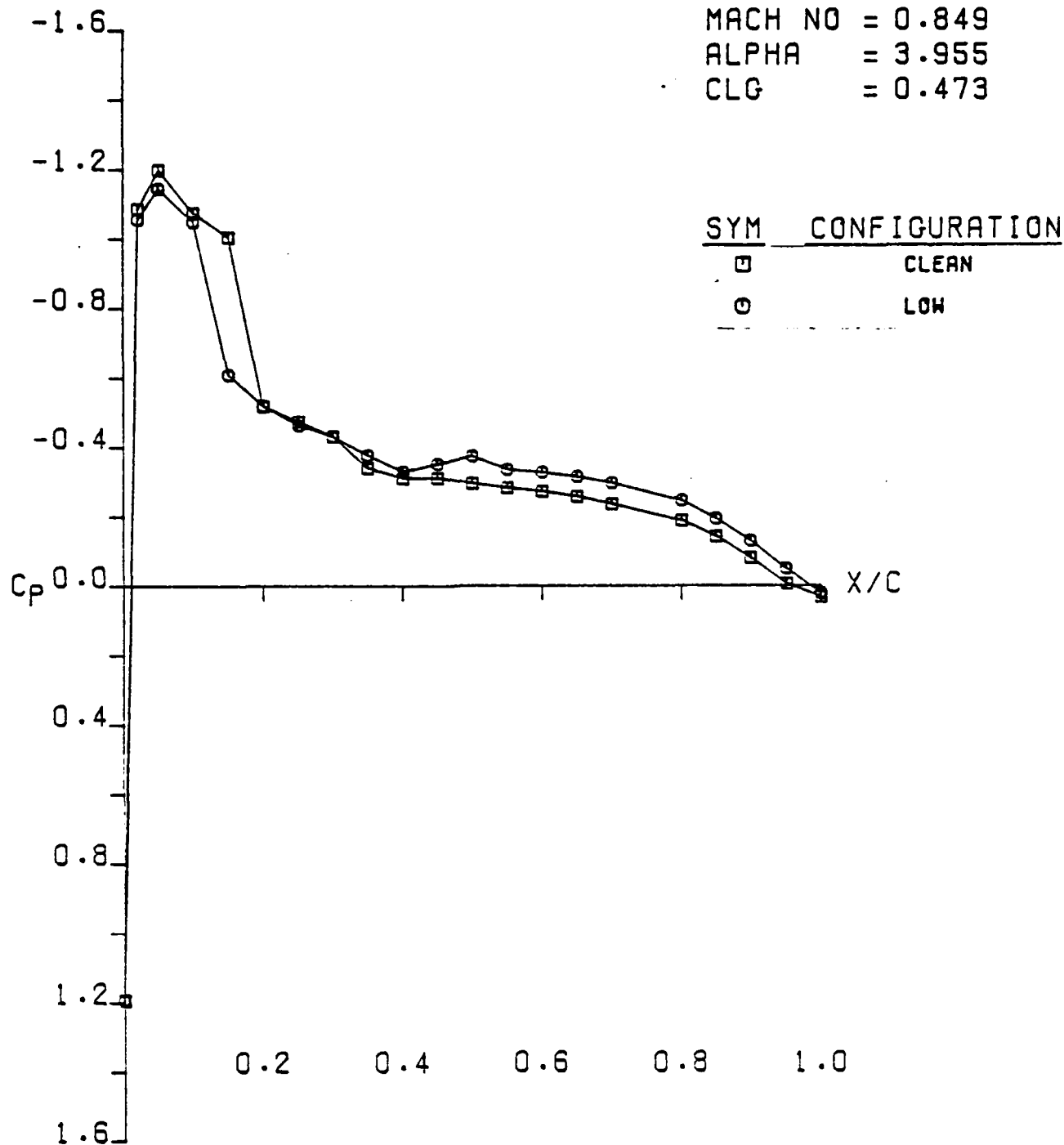


LOCKHEED CFWT SEMI-SPAN TEST, RUN 16
 CLN VS LOW (UPR SURF ETA.216)
 AFOSR SEMISPAN MODEL B

MACH NO = 0.849

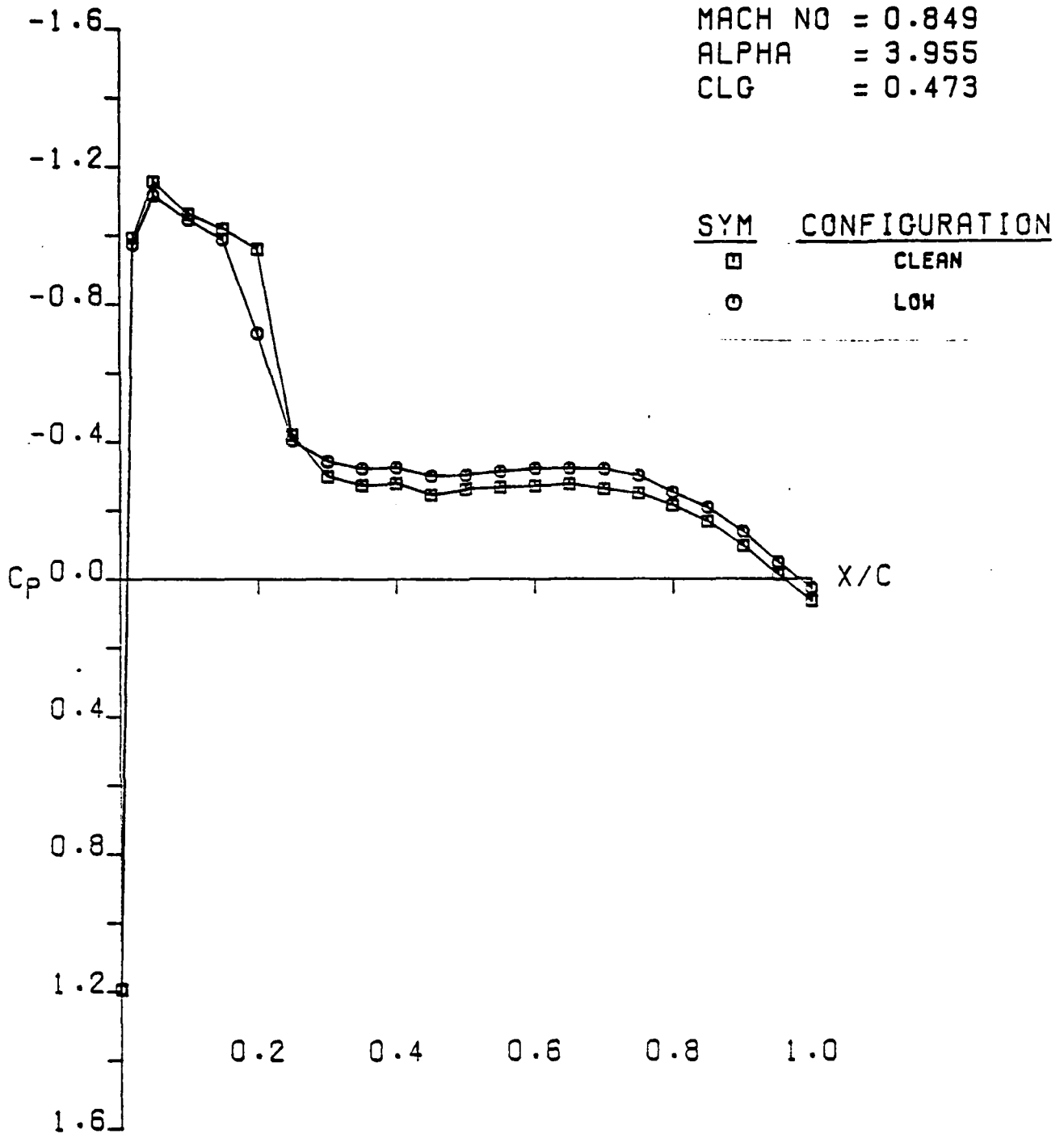
ALPHA = 3.955

CLG = 0.473

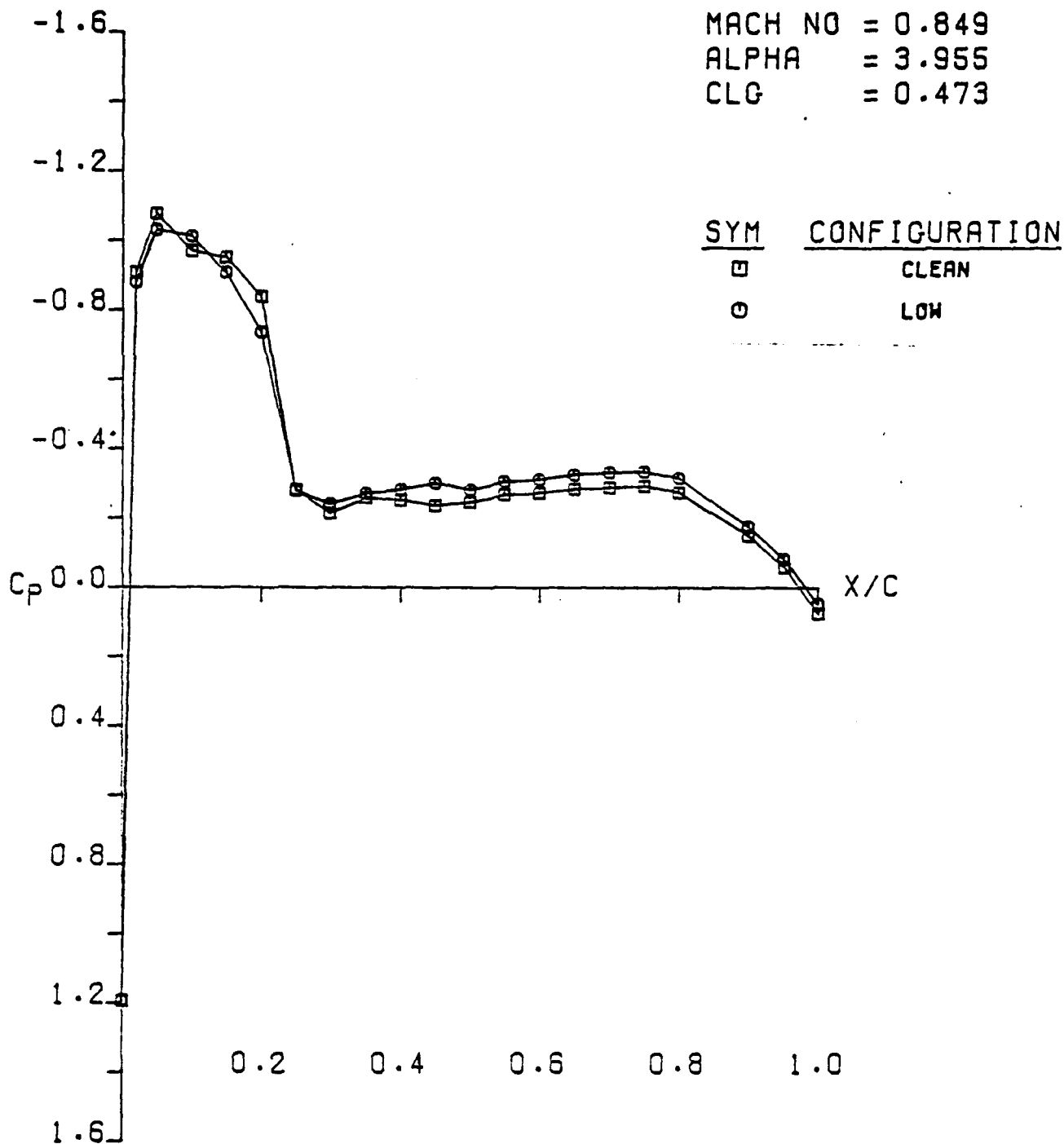


LOCKHEED CFWT SEMI-SPAN TEST, RUN 16
CLN VS LOW (UPR SURF ETA .40)
AFOSR SEMISPAN MODEL B

MACH NO = 0.849
 ALPHA = 3.955
 CLG = 0.473

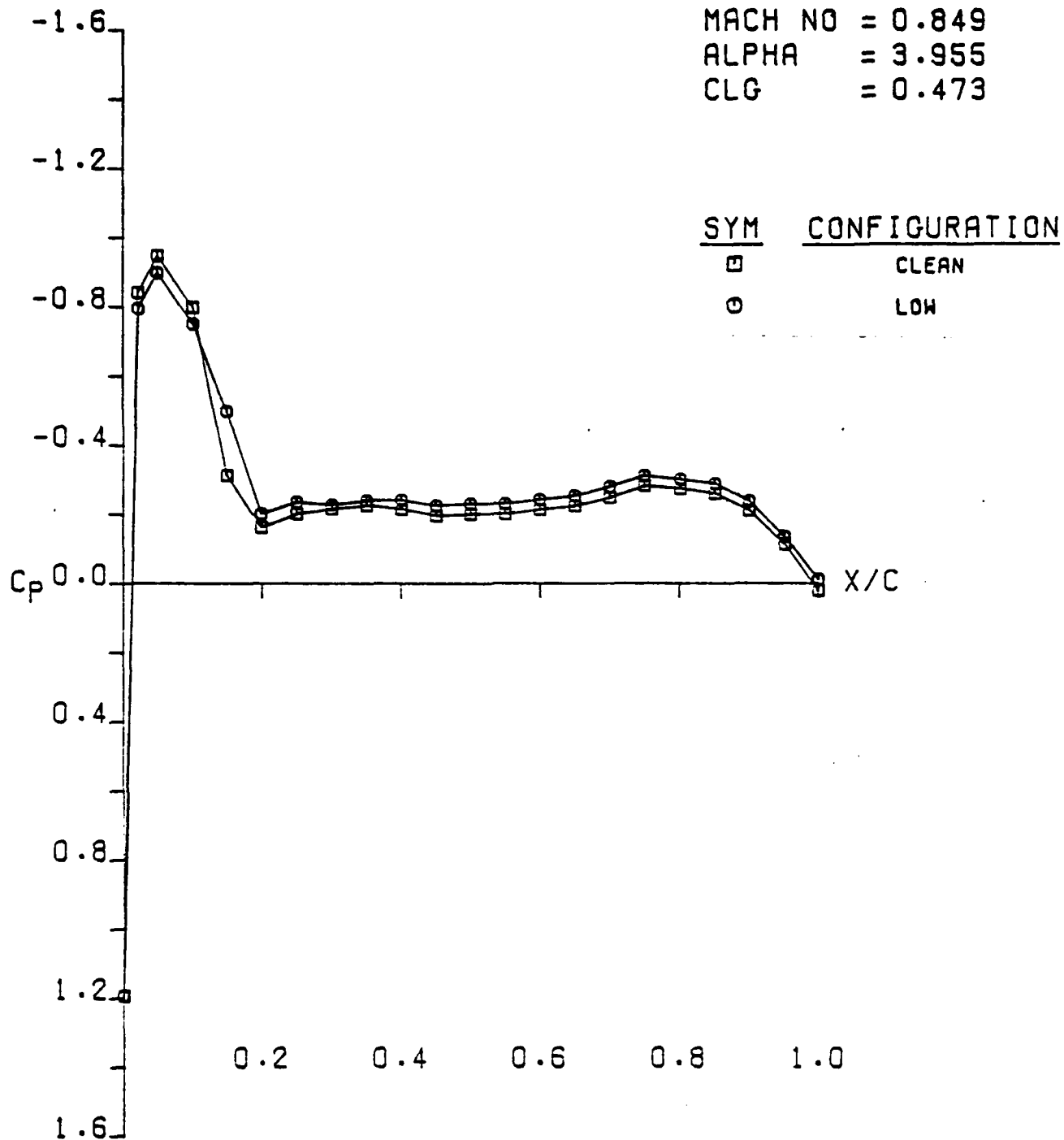


LOCKHEED CFWT SEMI-SPAN TEST, RUN 16
 CLN VS LOW (UPR SURF ETA .60)
 AFOSR SEMISPAN MODEL B



LOCKHEED CFWT SEMI-SPAN TEST, RUN 16
CLN VS LOW (UPR SURF ETA .8)
AFOSR SEMISPAN MODEL B

MACH NO = 0.849
 ALPHA = 3.955
 CLG = 0.473

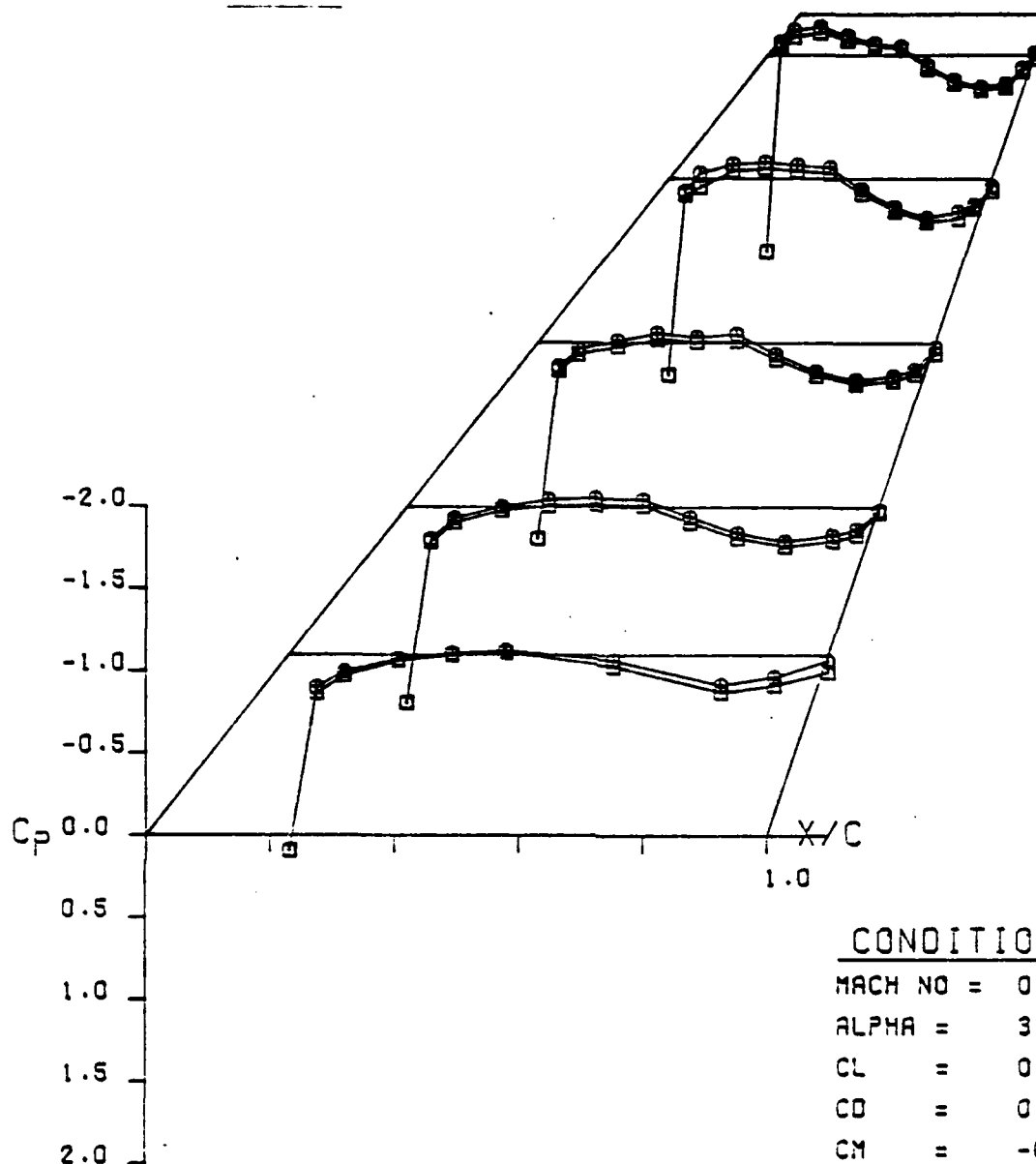


LOCKHEED CFWT SEMI-SPAN TEST. RUN 16
 CLN VS LOW (UPR SURF ETA .95)
 AFOSR SEMISPAN MODEL B

SYM CONFIGURATION

□
○

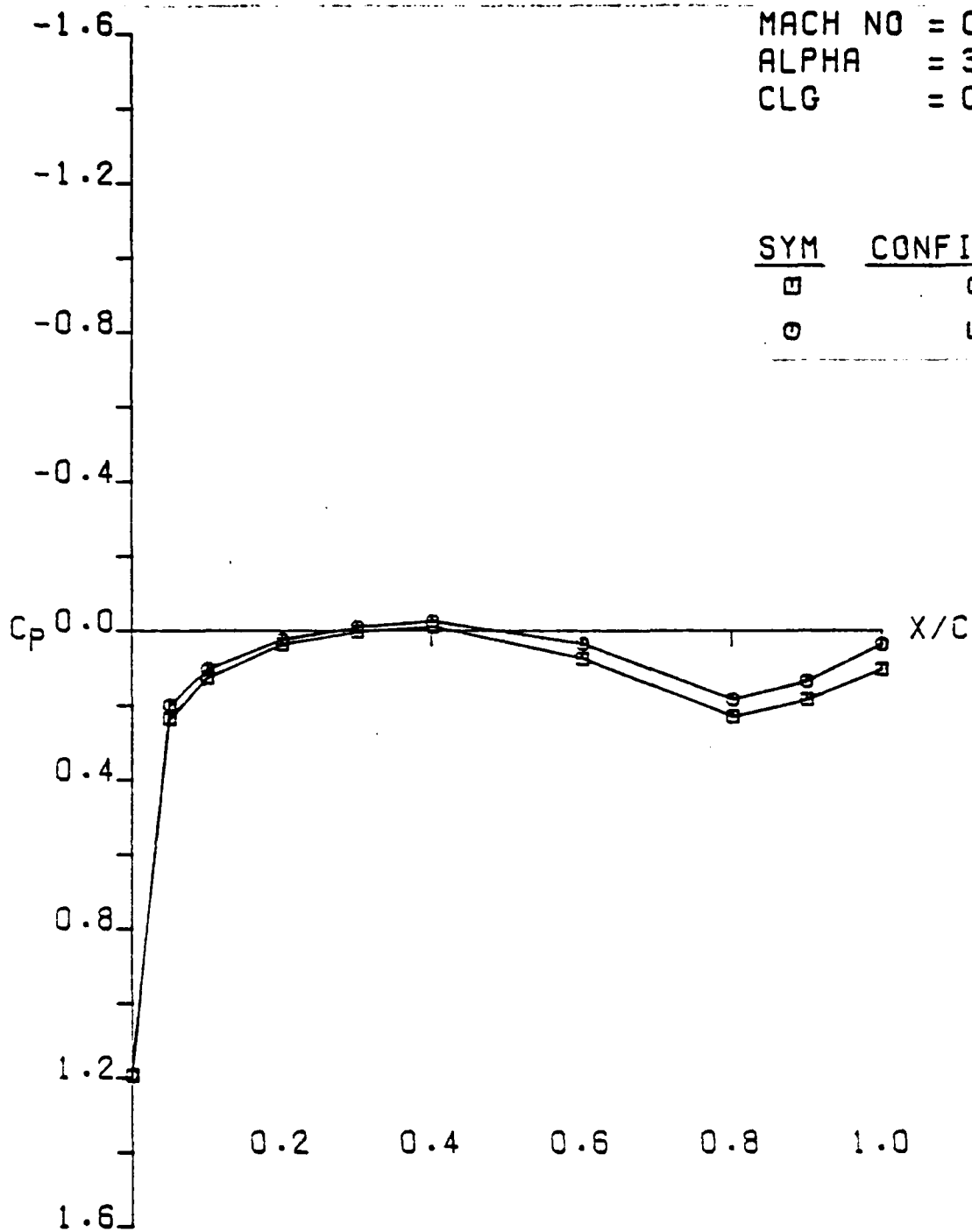
CLEAN
LOW



CONDITIONS

MACH NO = 0.849
ALPHA = 3.955
CL = 0.473
CD = 0.033
CM = -0.063
CLG = 0.473

LOCKHEED CFWT SEMI-SPAN TEST, RUN 16
CLN VS LOW (LWR SURF)
AFOSR SEMISPAN MODEL B



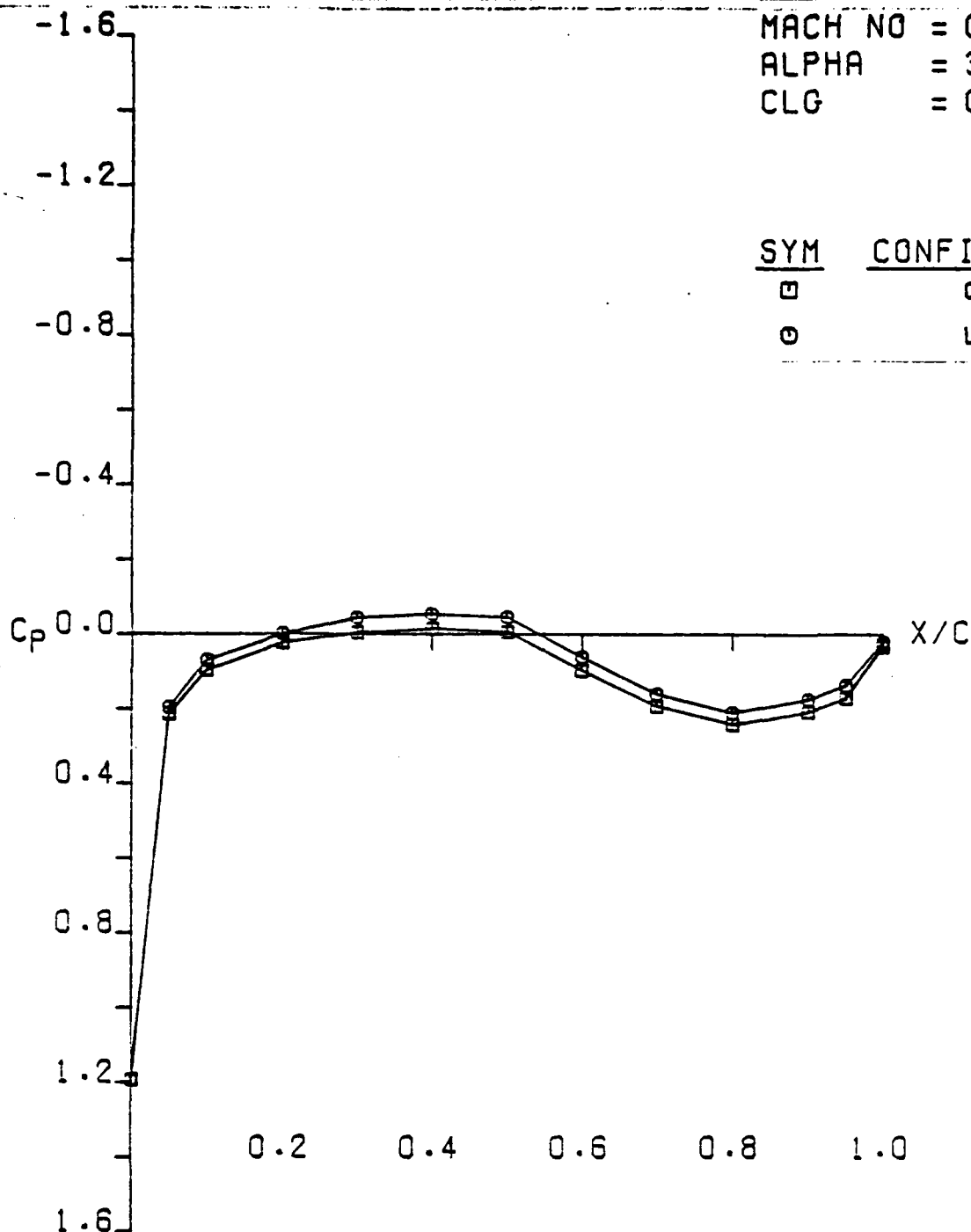
MACH NO = 0.849
 ALPHA = 3.955
 CLG = 0.473

SYM	CONFIGURATION
□	CLEAN
○	LOW

LOCKHEED CFWT SEMI-SPAN TEST, RUN 16
 CLN VS LOW (LWR SURF ETA.216)
 AFOSR SEMISPAN MODEL B

MACH NO = 0.849
 ALPHA = 3.955
 CLG = 0.473

SYM	CONFIGURATION
□	CLEAN
○	LOW

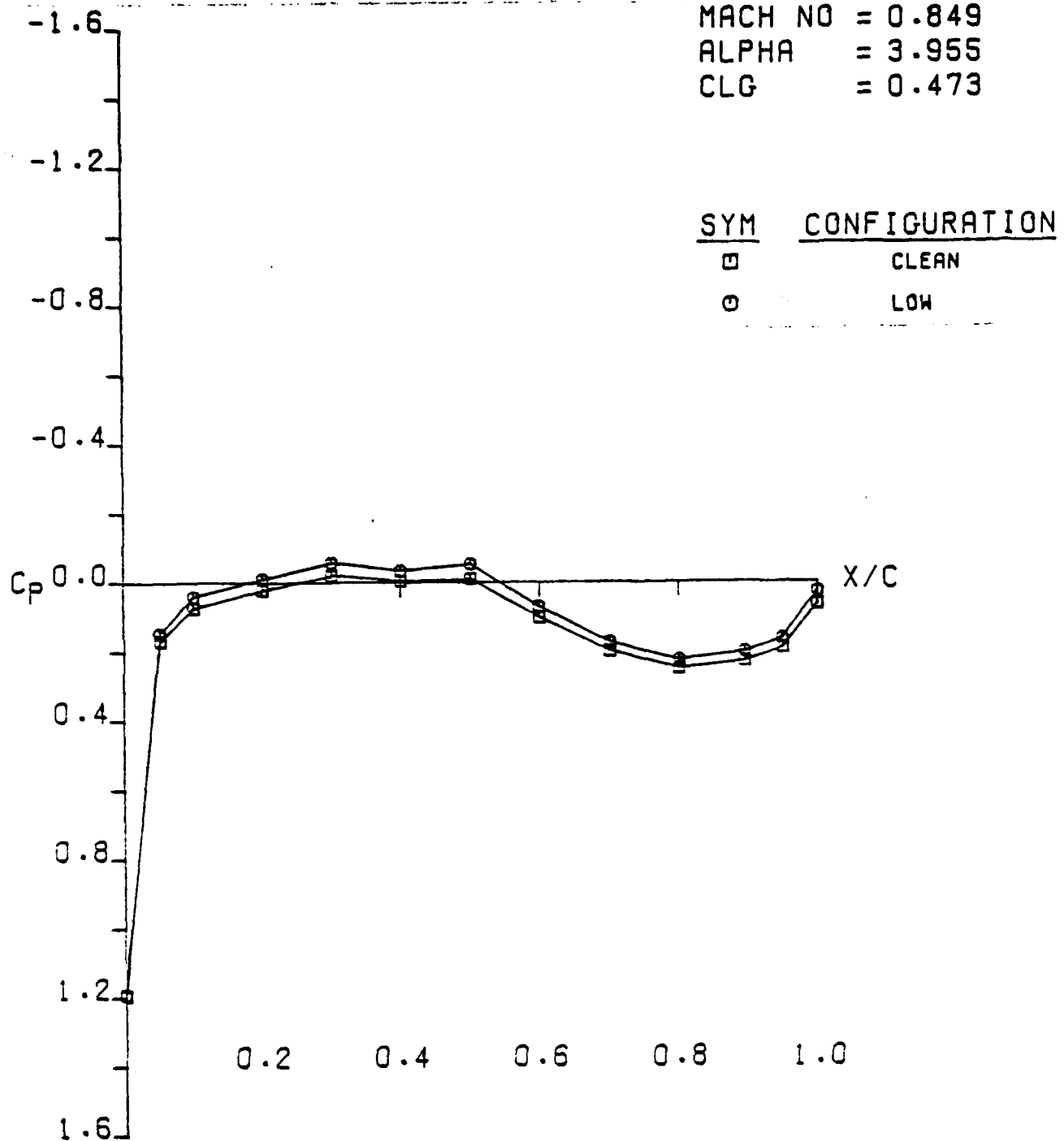


LOCKHEED CFWT SEMI-SPAN TEST, RUN 16
 CLN VS LOW (LWR SURF ETA.4)
 AFOSR SEMISPAN MODEL B

MACH NO = 0.849

ALPHA = 3.955

CLG = 0.473



LOCKHEED CFWT SEMI-SPAN TEST, RUN 16
CLN VS LOW (LWR SURF ETA.60)
AFOSR SEMISPAN MODEL B

MACH NO = 0.849

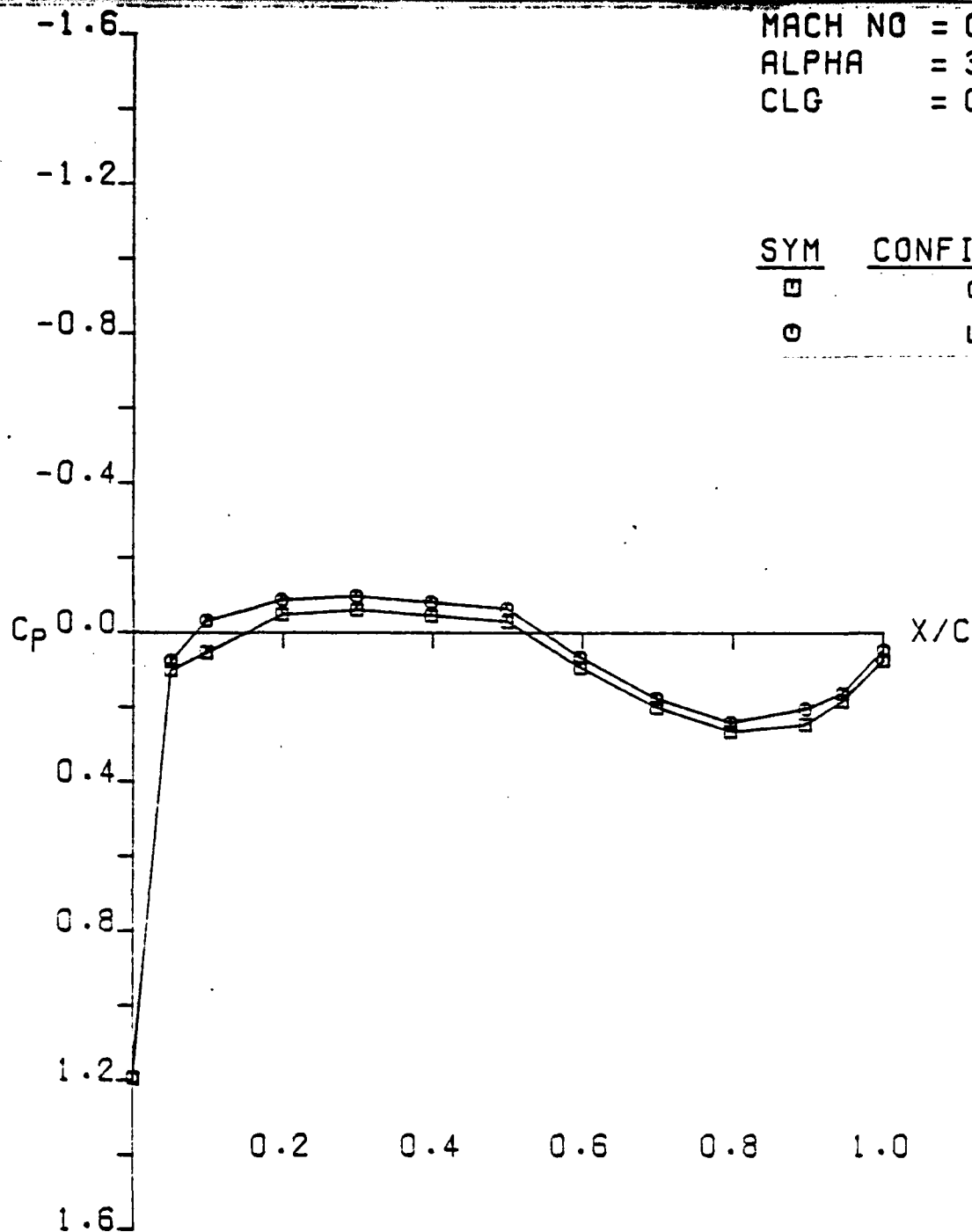
ALPHA = 3.955

CLG = 0.473

SYM CONFIGURATION

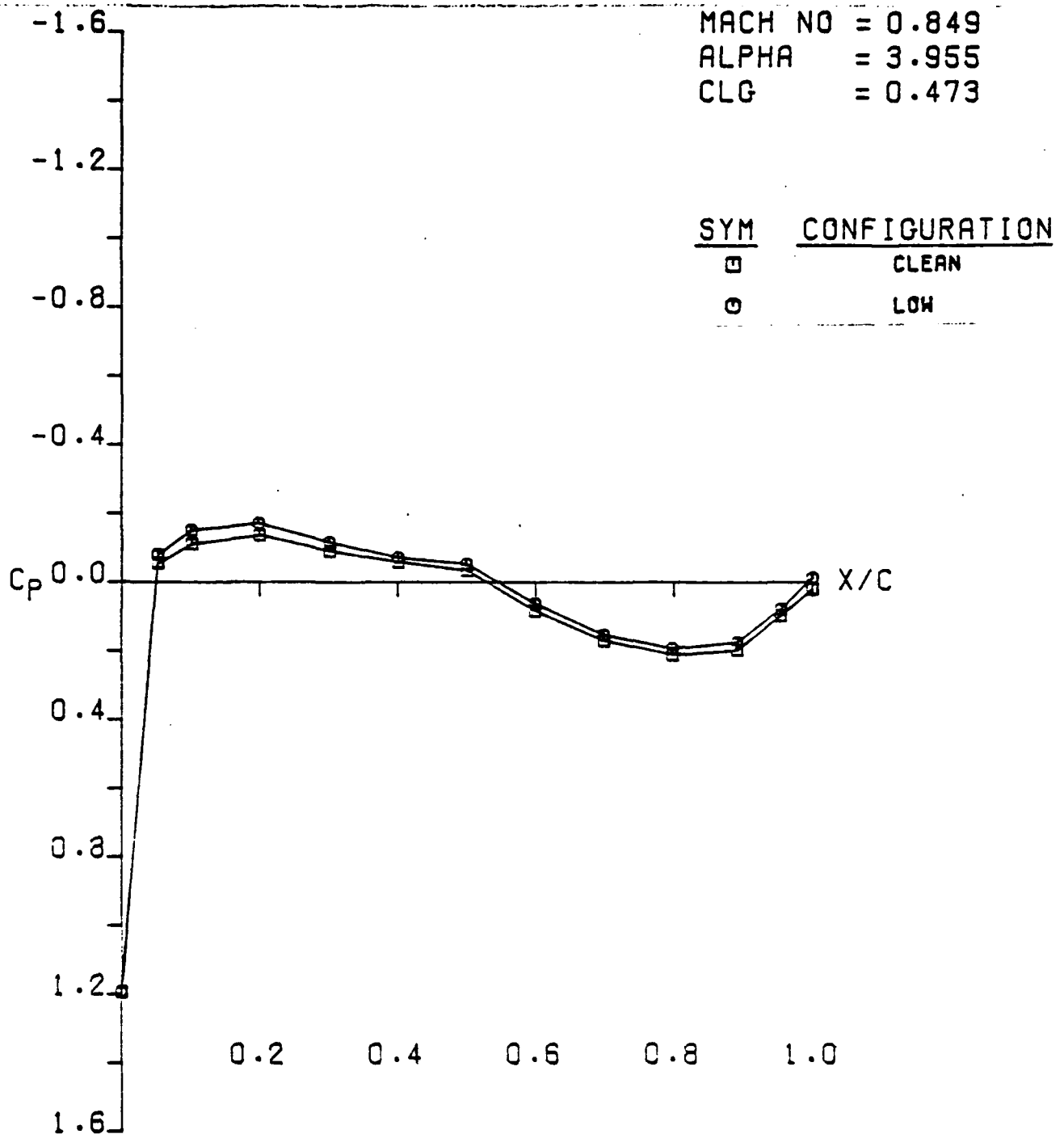
□ CLEAN

○ LOW

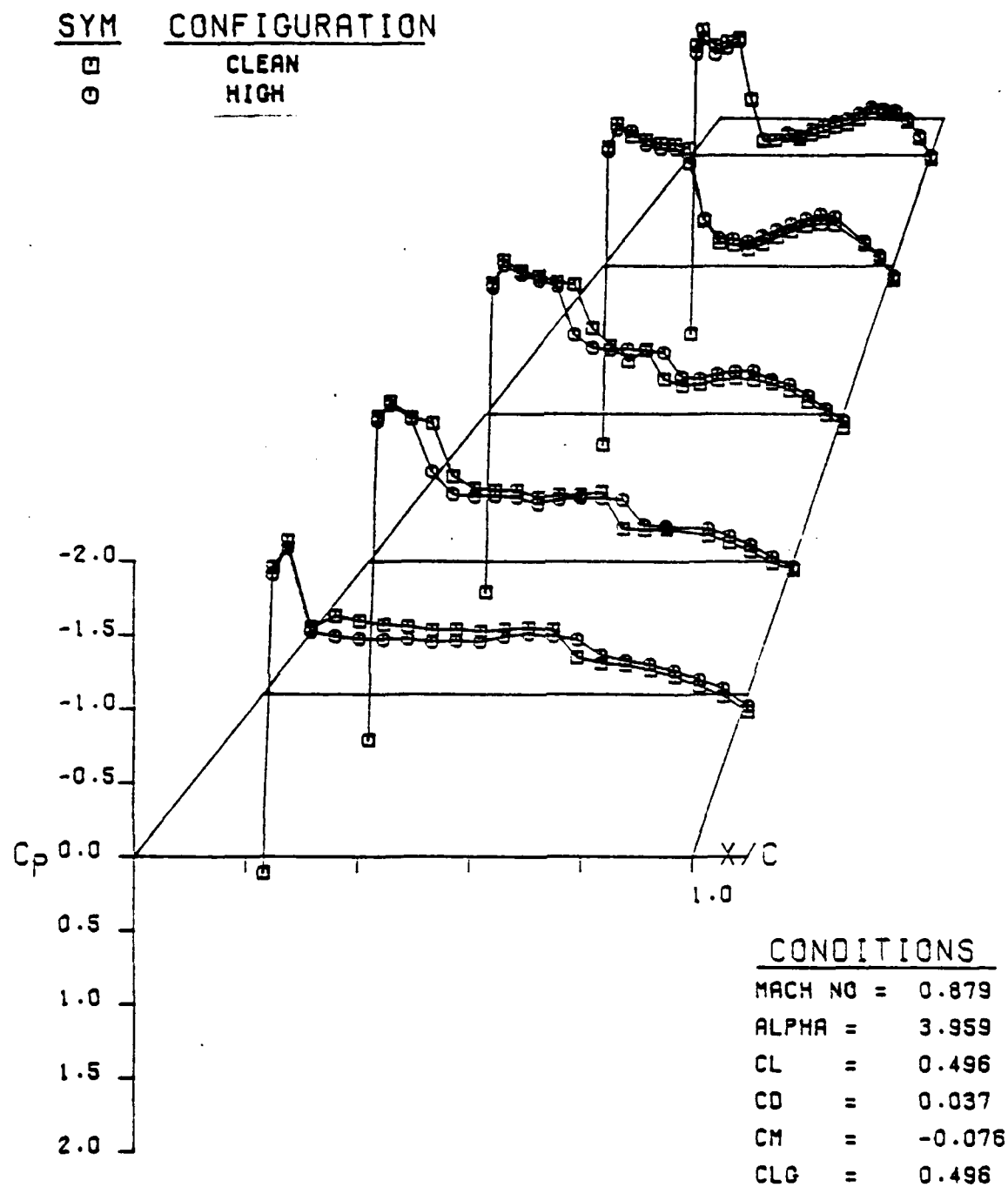


LOCKHEED CFWT SEMI-SPAN TEST, RUN 16
CLN VS LOW (LWR SURF ETA.8)
AFOSR SEMISPAN MODEL B

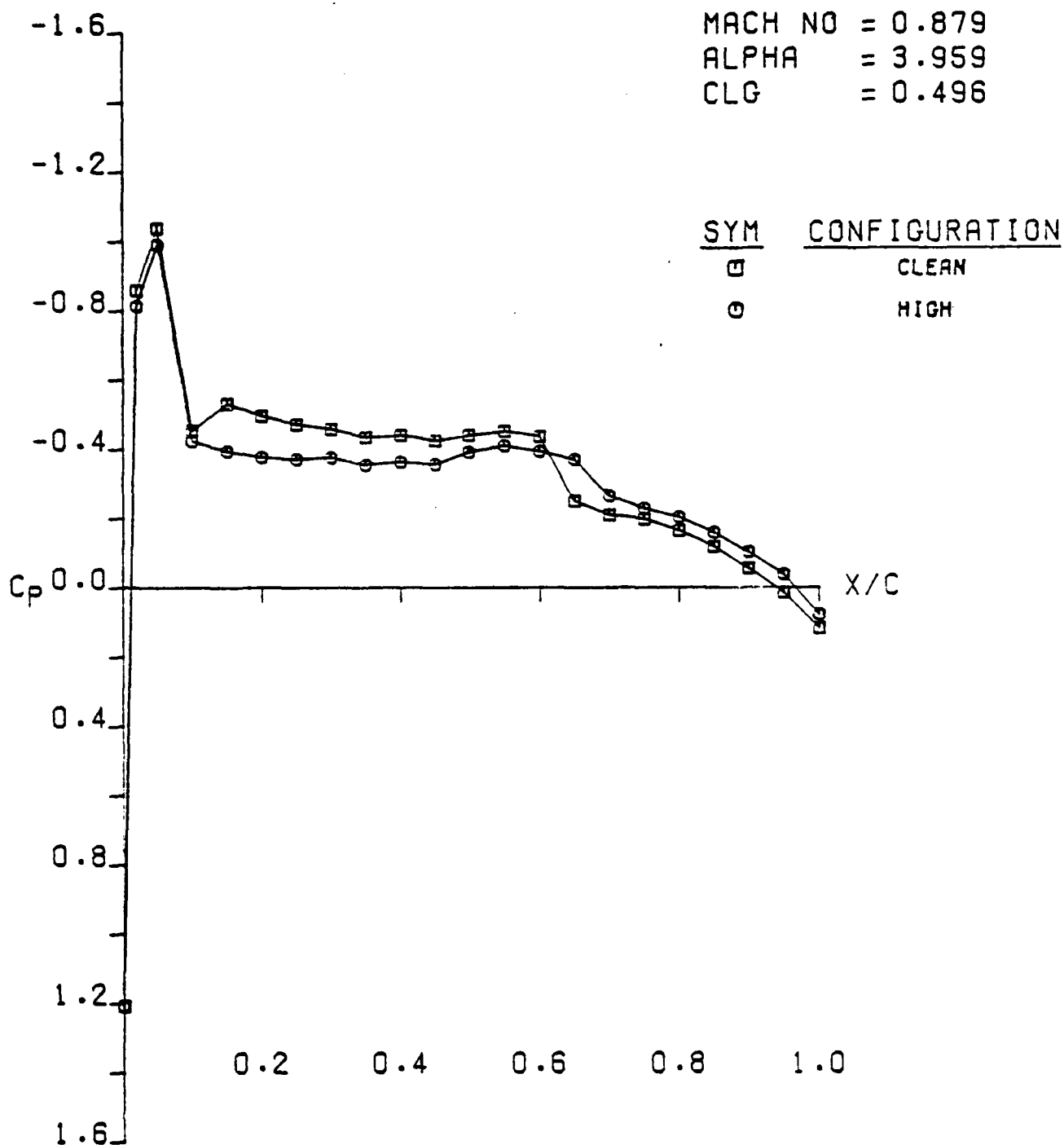
MACH NO = 0.849
ALPHA = 3.955
CLG = 0.473



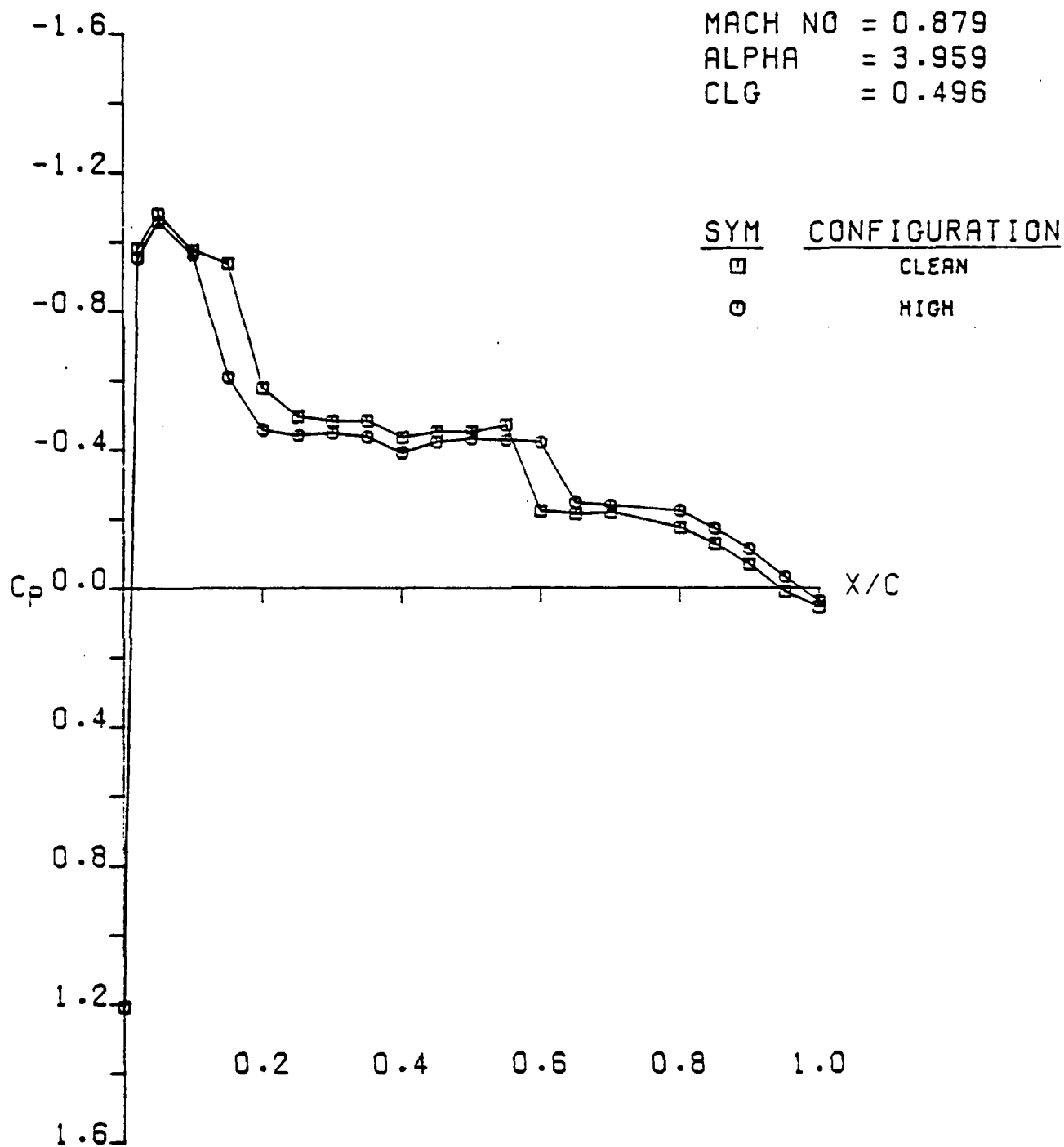
LOCKHEED CFWT SEMI-SPAN TEST, RUN 16
CLN VS LOW (LWR SURF ETA.95)
AFOSR SEMISPAN MODEL B



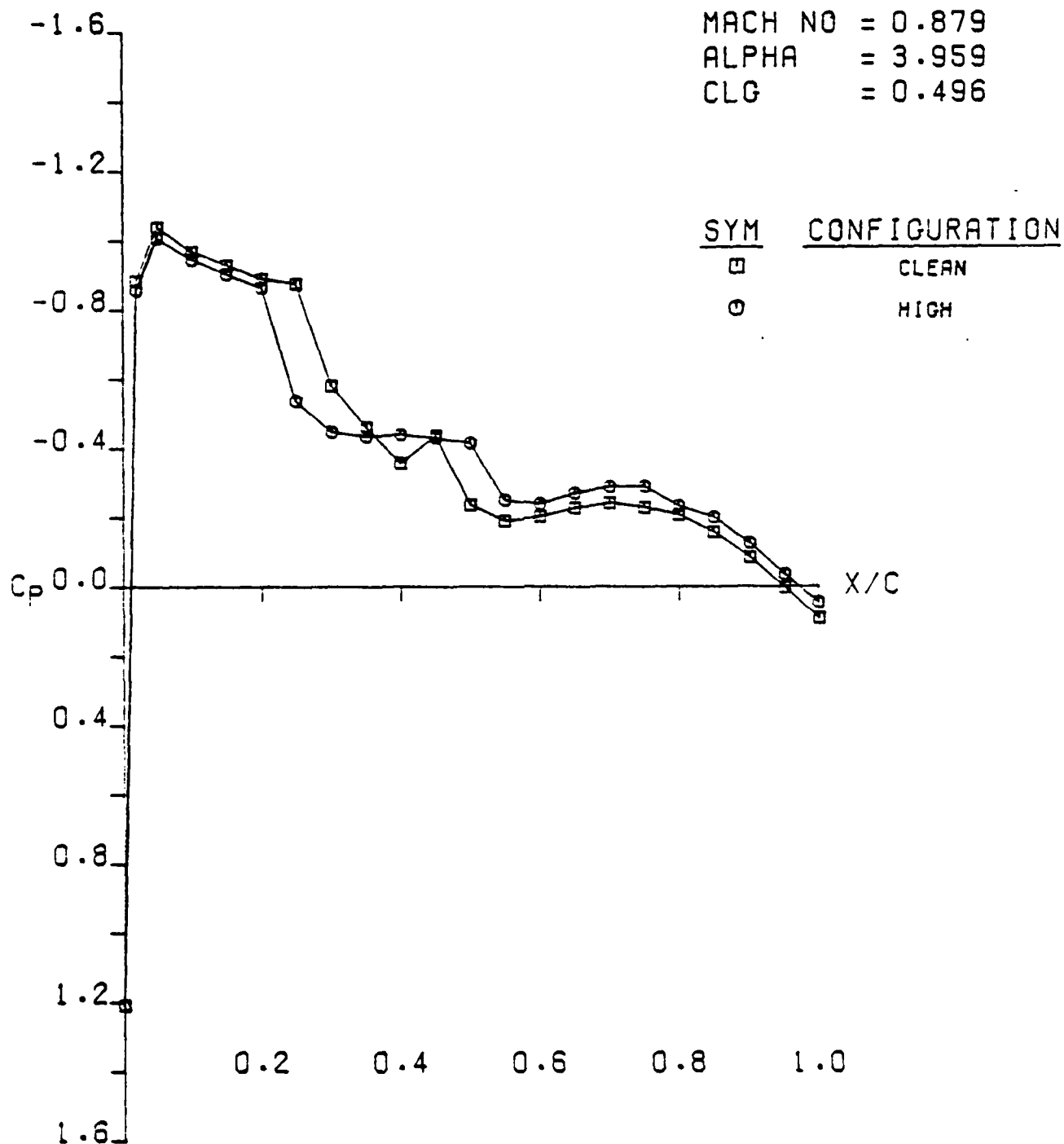
LOCKHEED CFWT SEMI-SPAN TEST, RUN 65
 CLN VS HIGH (UPR SURF)
 AFOSR SEMISPAN MODEL B



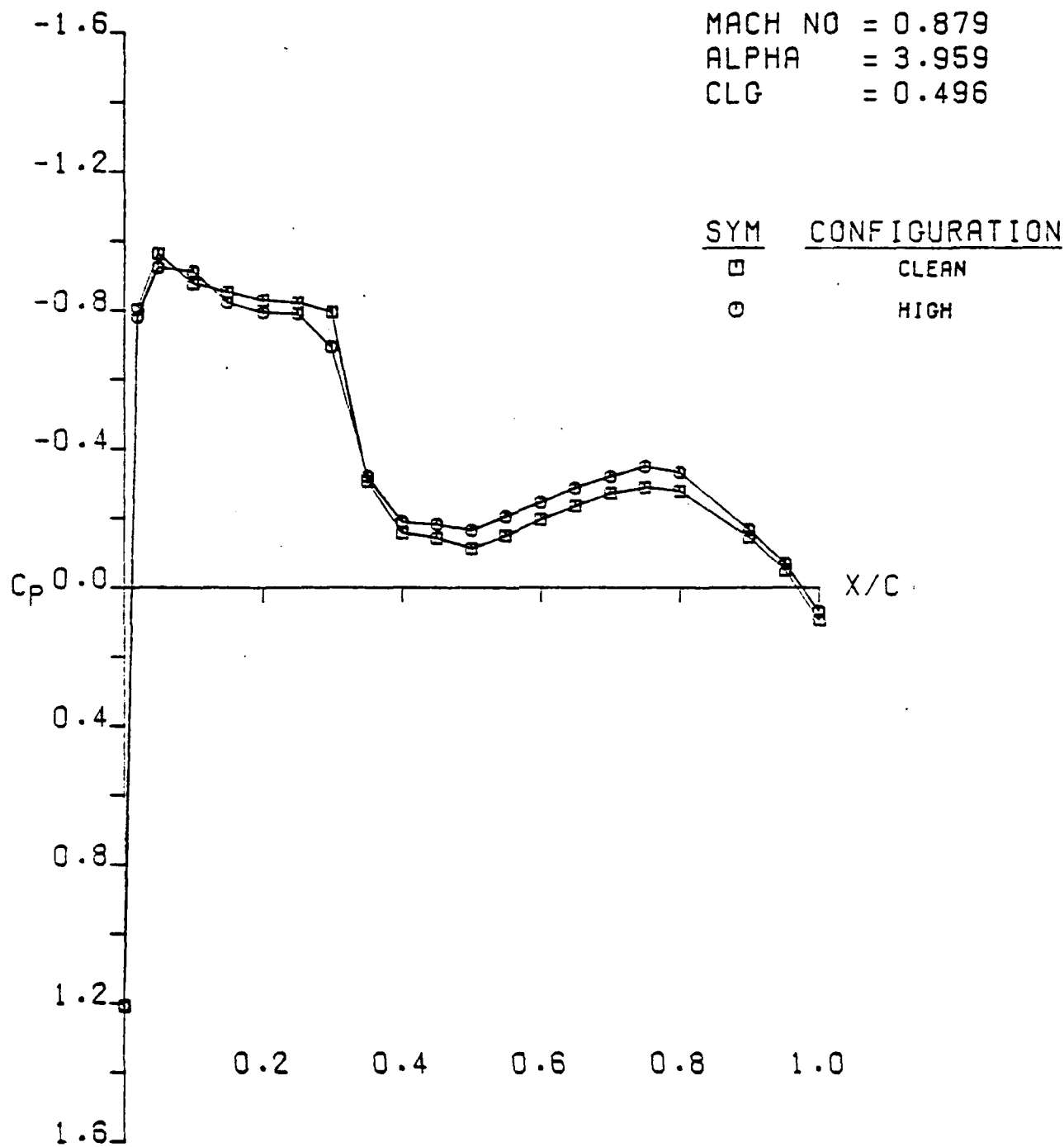
LOCKHEED CFWT SEMI-SPAN TEST, RUN 65
 CLN VS HIGH (UPR SURF ETA.216)
 AFOSR SEMISPAN MODEL B



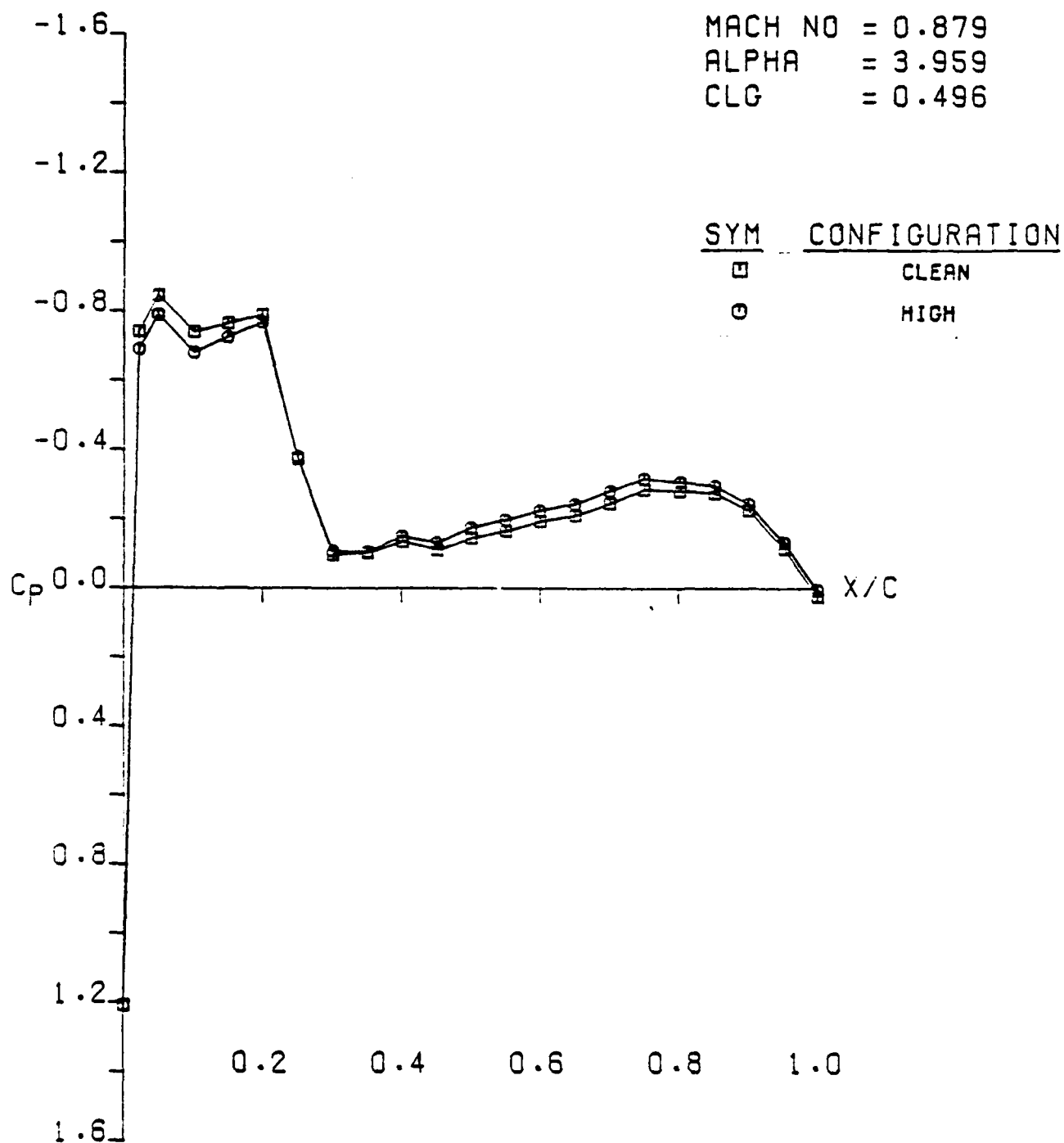
LOCKHEED CFWT SEMI-SPAN TEST, RUN 65
CLN VS HIGH (UPR SURF ETA .40)
AFOSR SEMISPAN MODEL B



LOCKHEED CFWT SEMI-SPAN TEST, RUN 65
CLN VS HIGH (UPR SURF ETA .60)
AFOSR SEMISPAN MODEL B



LOCKHEED CFWT SEMI-SPAN TEST, RUN 65
 CLN VS HIGH (UPR SURF ETA .8)
 AFOSR SEMISPAN MODEL B



LOCKHEED CFWT SEMI-SPAN TEST, RUN 65
CLN VS HIGH (UPR SURF ETA .95)
AFOSR SEMISPAN MODEL B

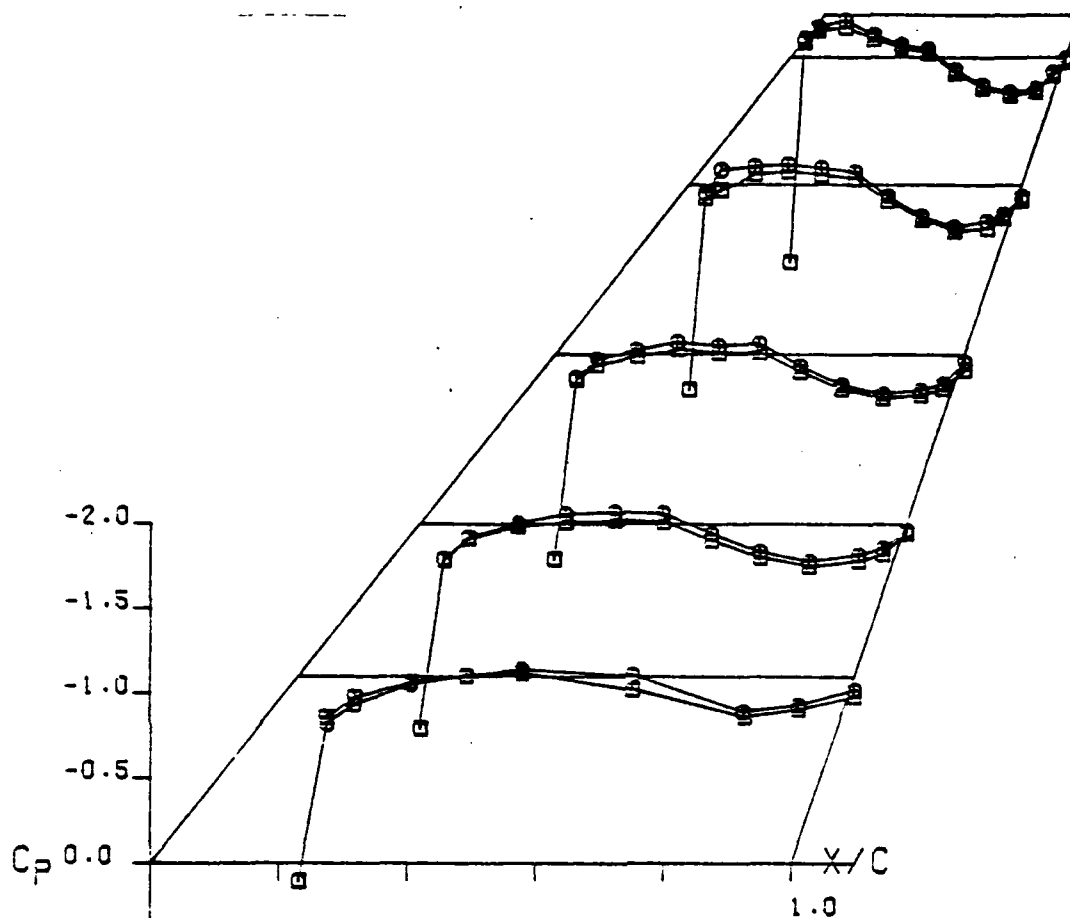
SYM CONFIGURATION

□

CLEAN

○

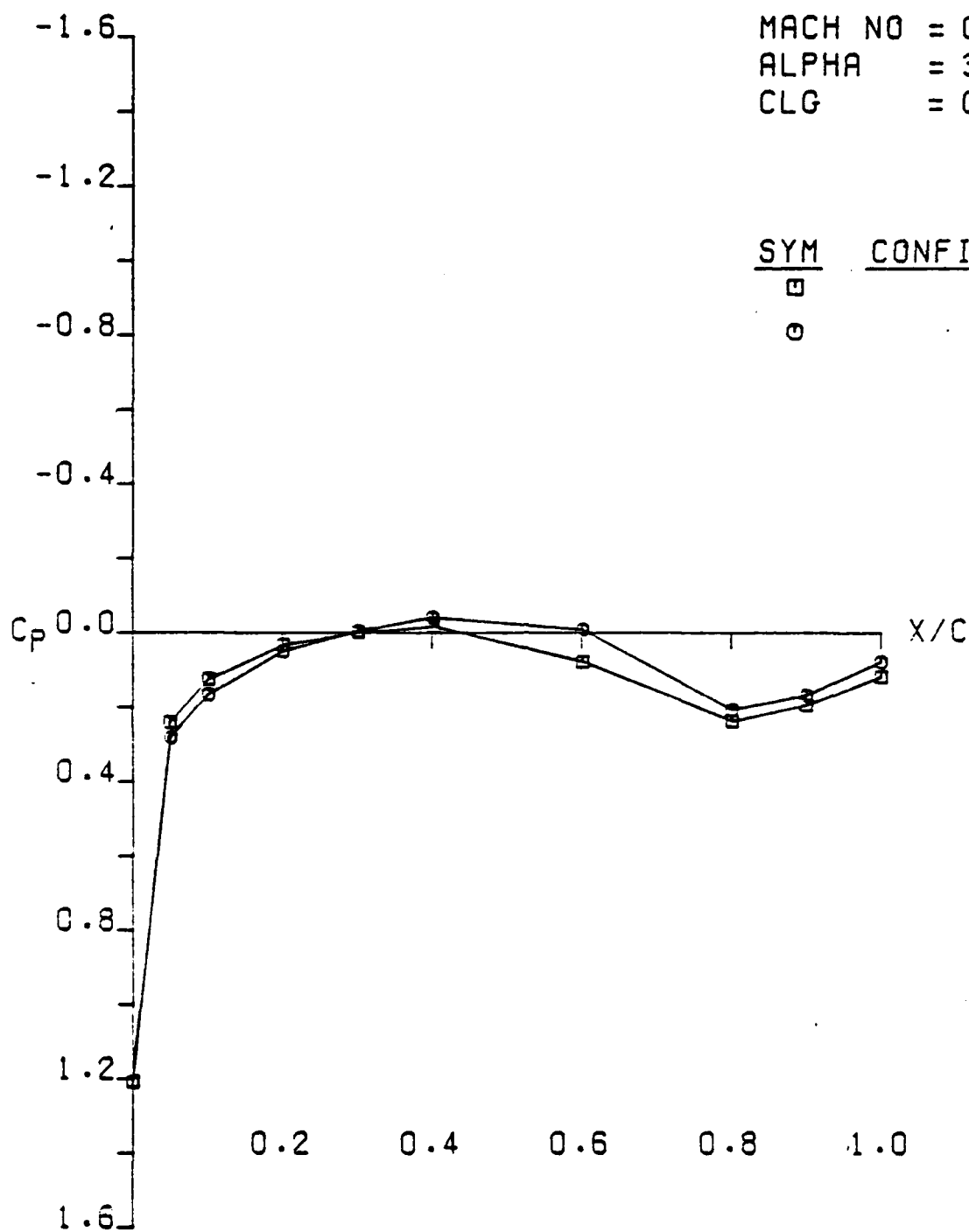
HIGH



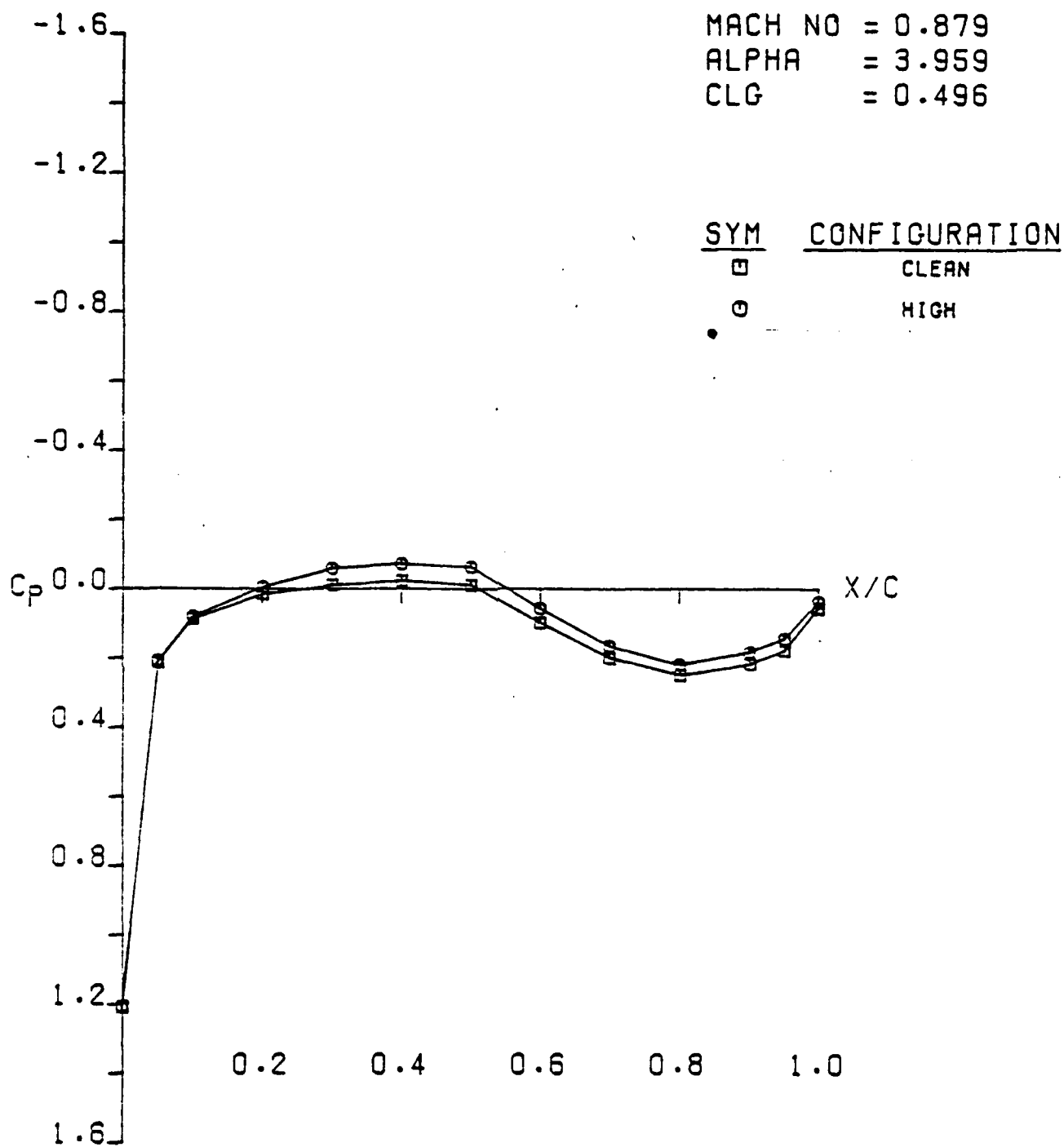
CONDITIONS

MACH NO = 0.879
 ALPHA = 3.959
 CL = 0.496
 CD = 0.037
 CM = -0.076
 CLG = 0.496

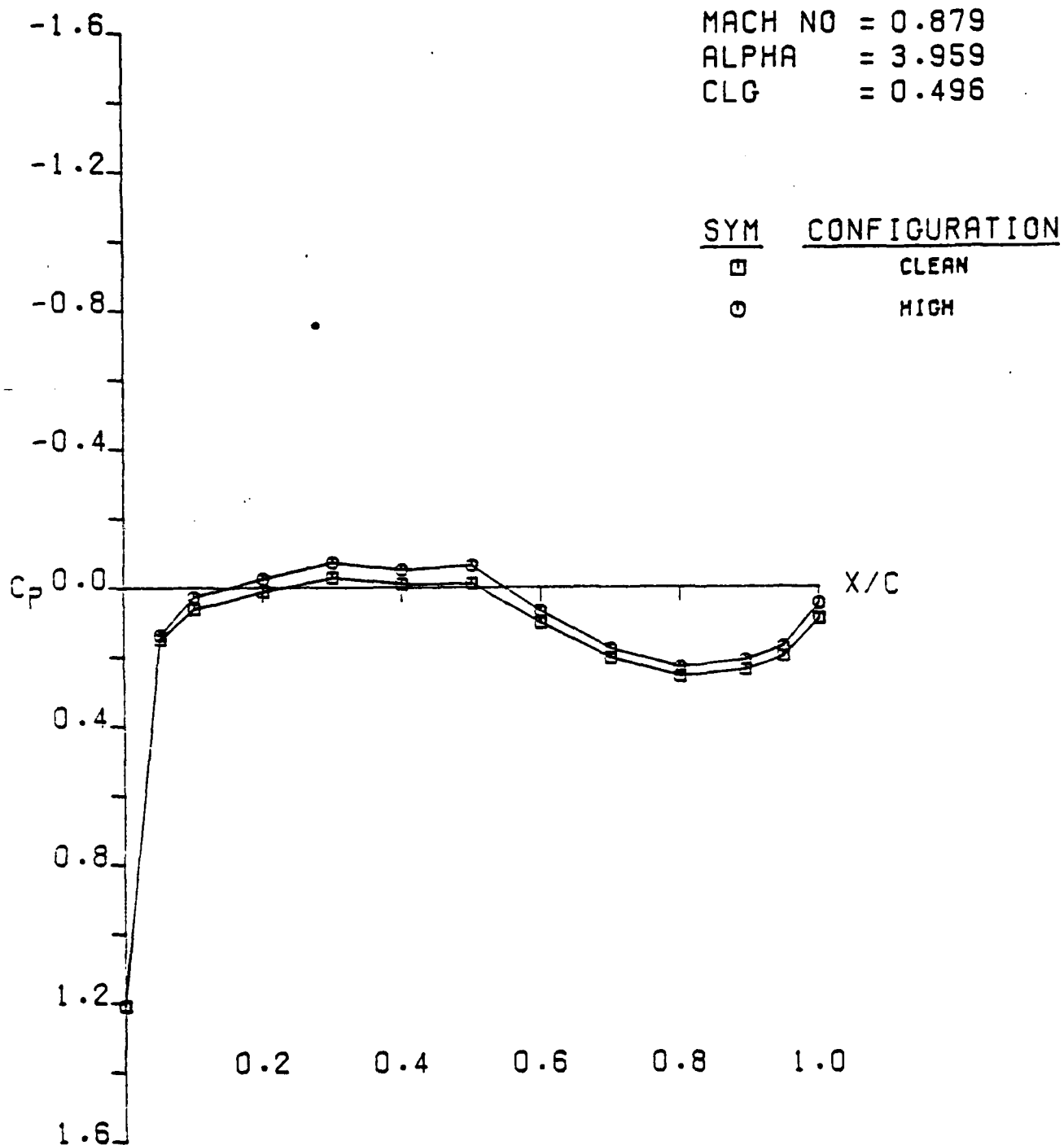
LOCKHEED CFWT SEMI-SPAN TEST, RUN 65
 CLN VS HIGH (LWR SURF)
 AFOSR SEMISPAN MODEL 8



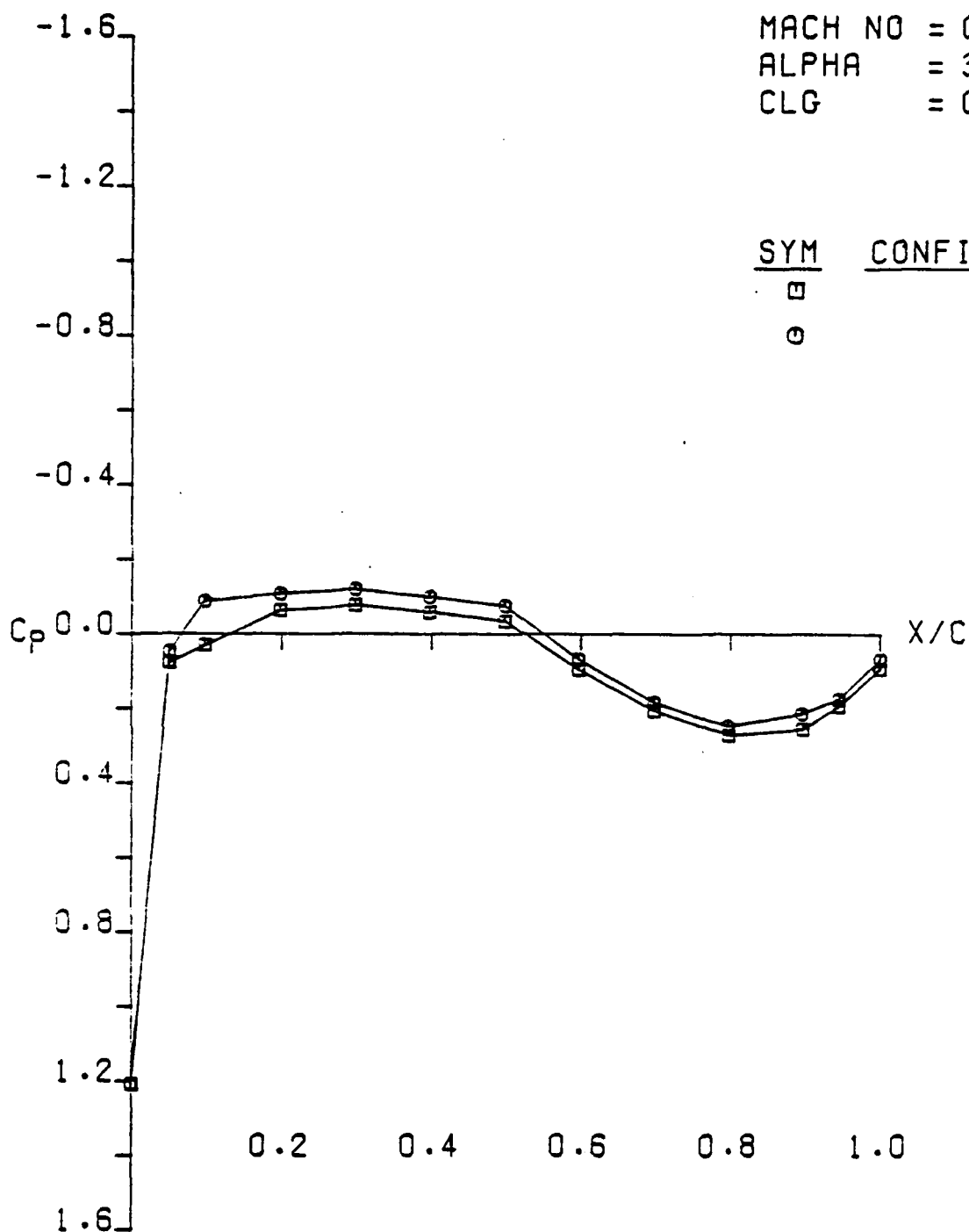
LOCKHEED CFWT SEMI-SPAN TEST, RUN 65
CLN VS HIGH (LWR SURF ETA.216)
AFOSR SEMISPAN MODEL B



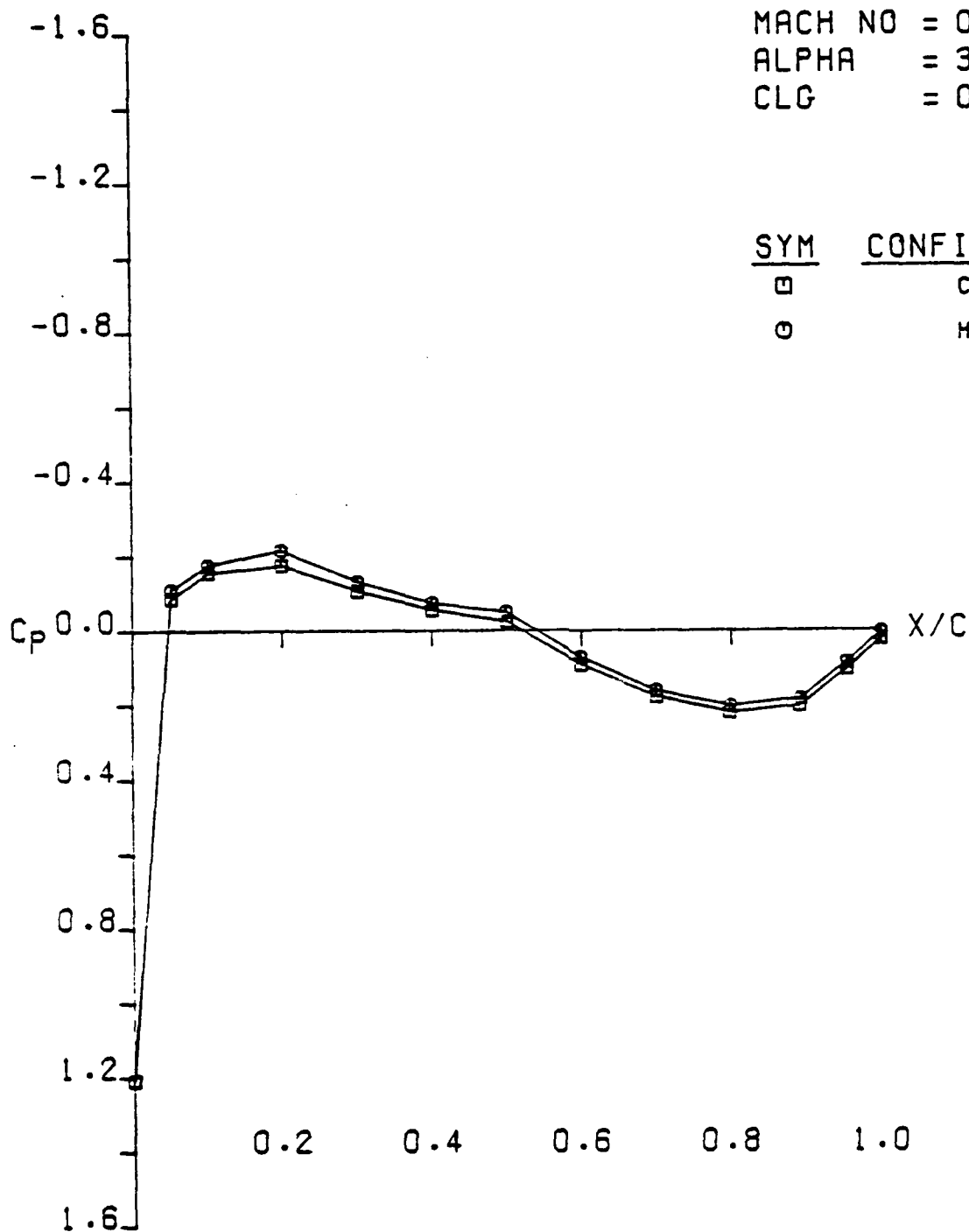
LOCKHEED CFWT SEMI-SPAN TEST, RUN 65
 CLN VS HIGH (LWR SURF ETA.4)
 AFOSR SEMISPAN MODEL B



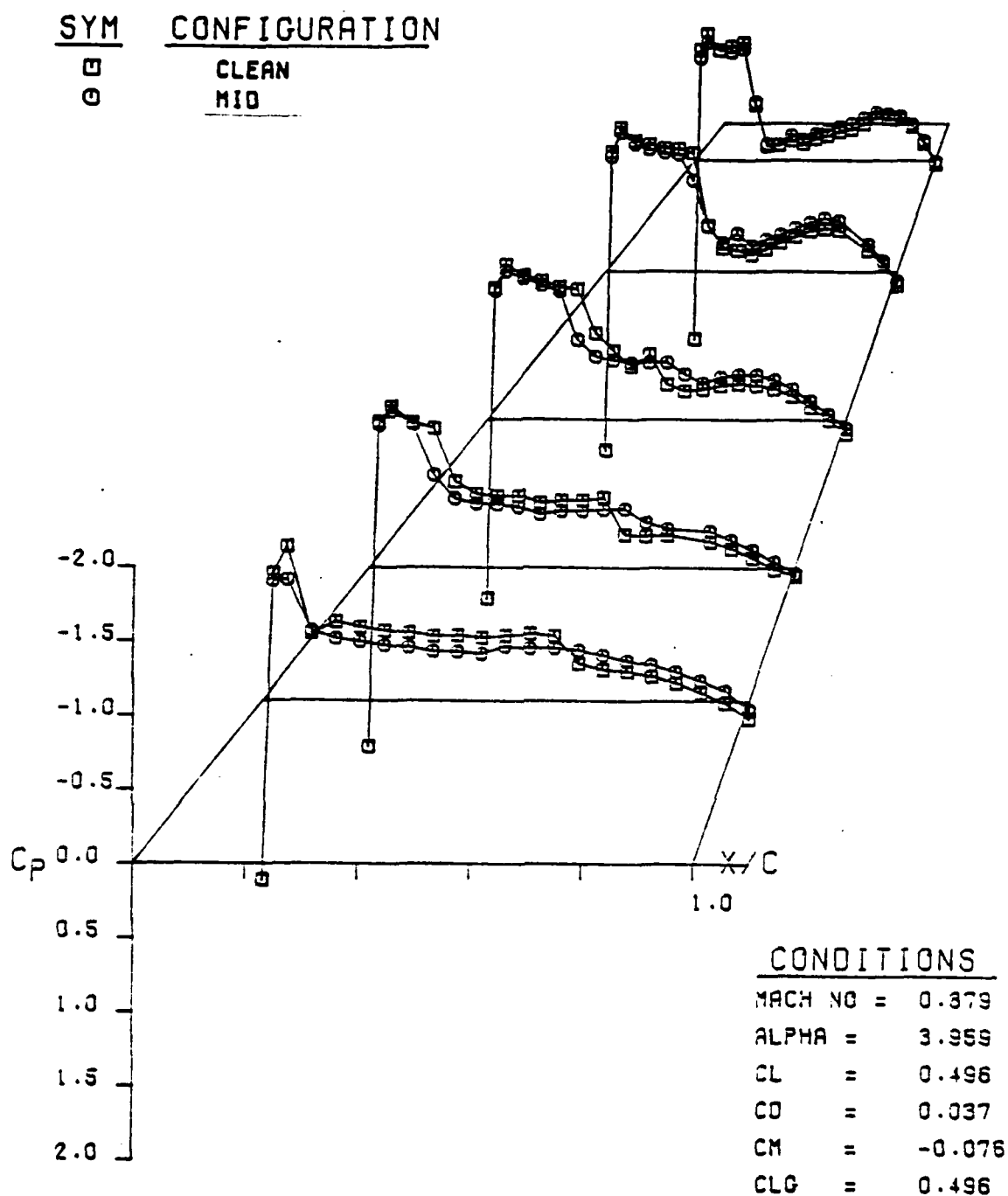
LOCKHEED CFWT SEMI-SPAN TEST, RUN 65
 CLN VS HIGH (LWR SURF ETA.60)
 AFOSR SEMISPAN MODEL B



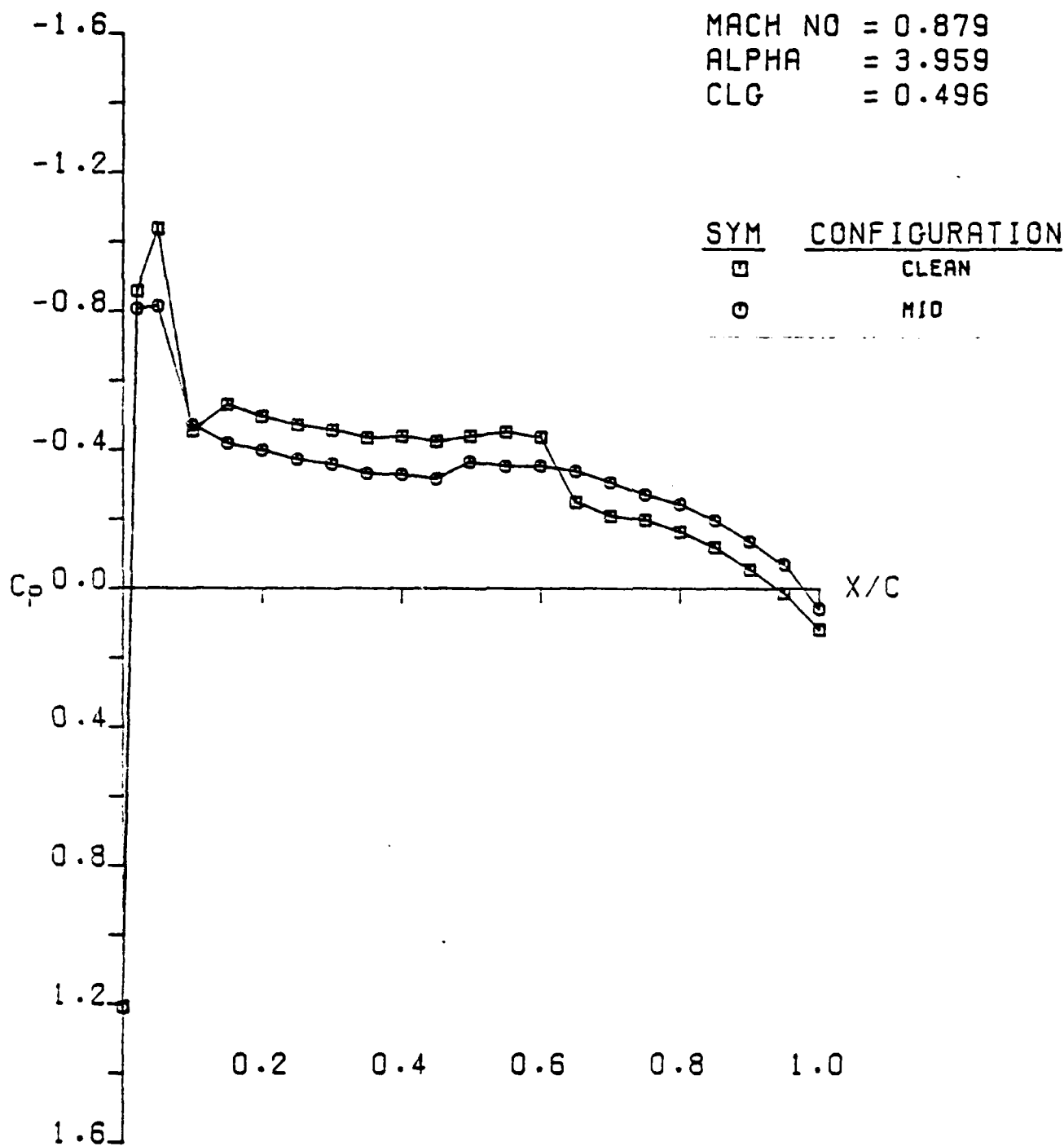
LOCKHEED CFWT SEMI-SPAN TEST, RUN 65
 CLN VS HIGH (LWR SURF ETA.8)
 AFOSR SEMISPAN MODEL B



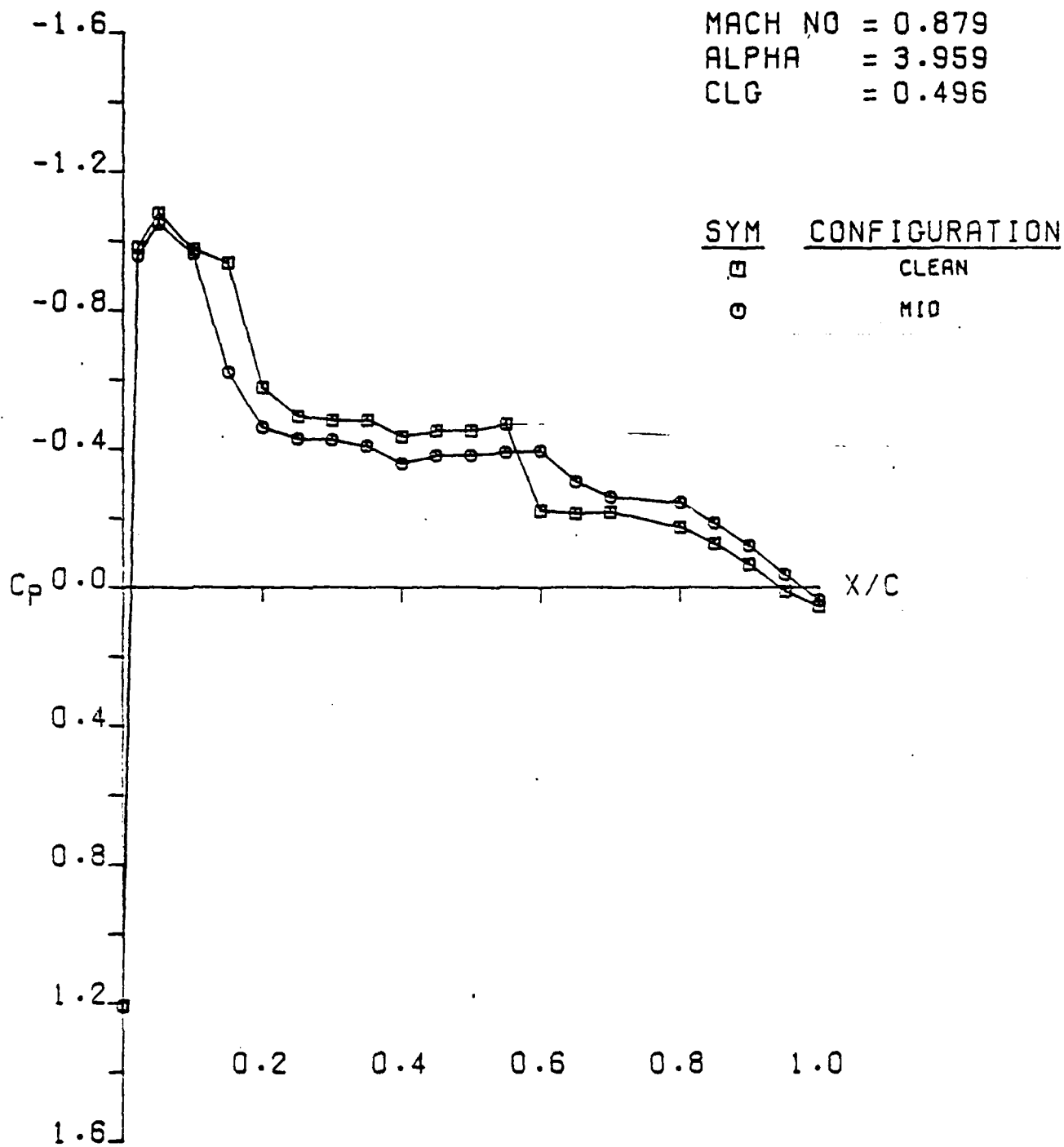
LOCKHEED CFWT SEMI-SPAN TEST, RUN 65
CLN VS HIGH (LWR SURF ETA.95)
AFOSR SEMISPAN MODEL B



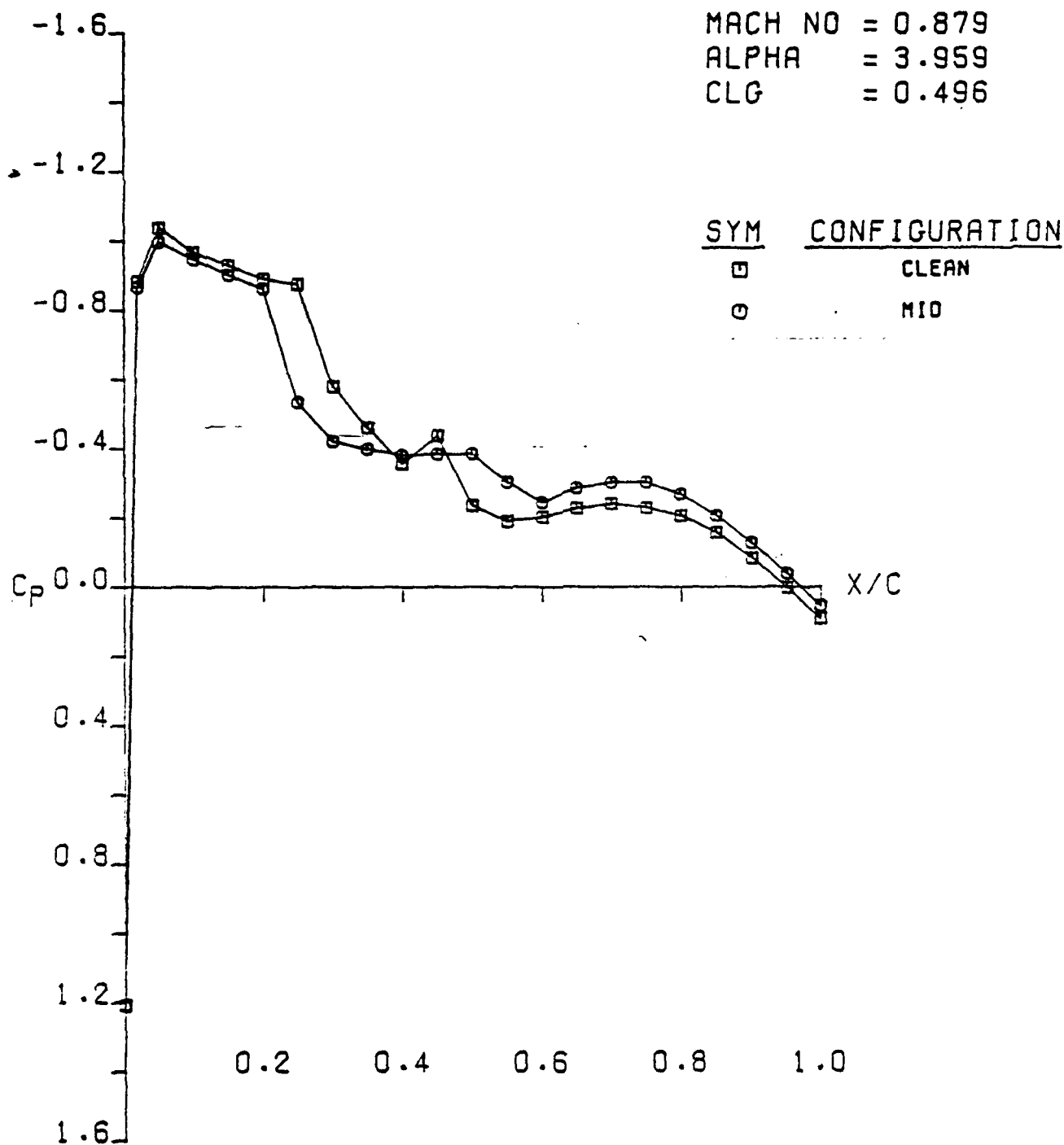
LOCKHEED CFWT SEMI-SPAN TEST, RUN 65
 CLN VS MID (UPR SURF)
 AFOSR SEMISPAN MODEL B



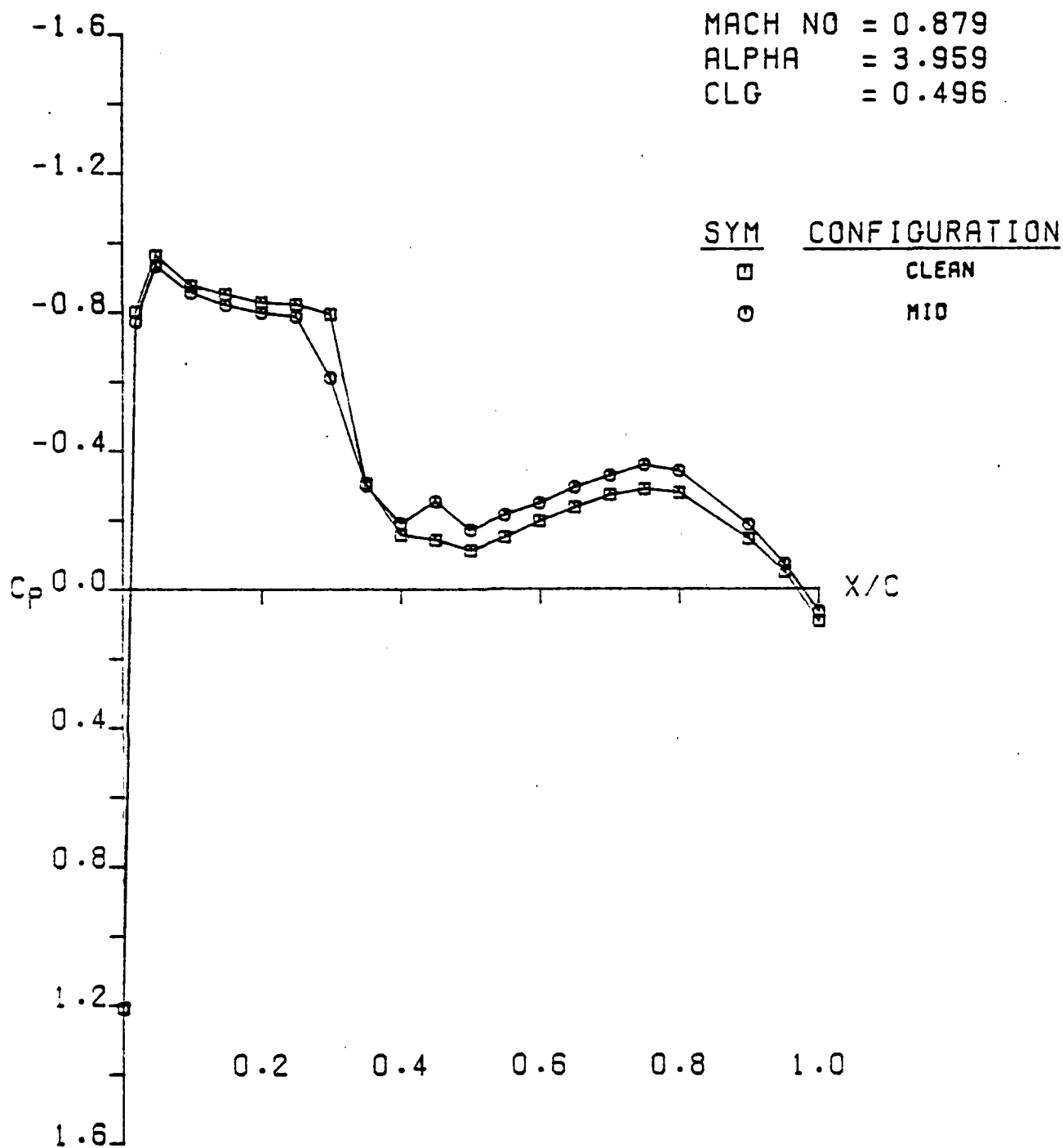
LOCKHEED CFWT SEMI-SPAN TEST, RUN 65
CLN VS MID (UPR SURF ETA.216)
AFOSR SEMISPAN MODEL 8



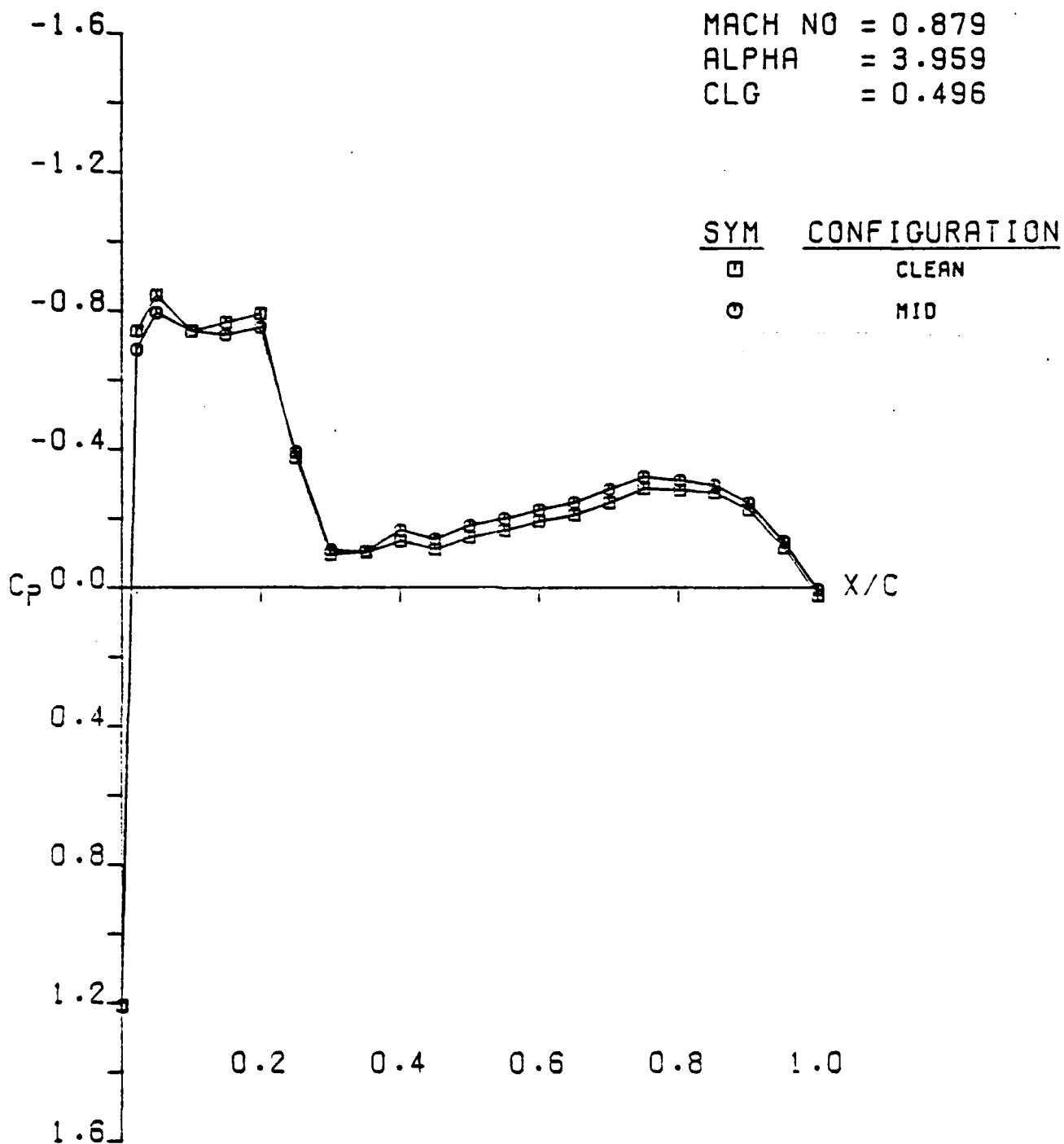
LOCKHEED CFWT SEMI-SPAN TEST, RUN 65
 CLN VS MID (UPR SURF ETA .40)
 AFOSR SEMISPAN MODEL B



LOCKHEED CFWT SEMI-SPAN TEST, RUN 65
 CLN VS MID (UPR SURF ETA .60)
 AFOSR SEMISPAN MODEL B



LOCKHEED CFWT SEMI-SPAN TEST, RUN 65
CLN VS MID (UPR SURF ETA .8)
AFOSR SEMISPAN MODEL B

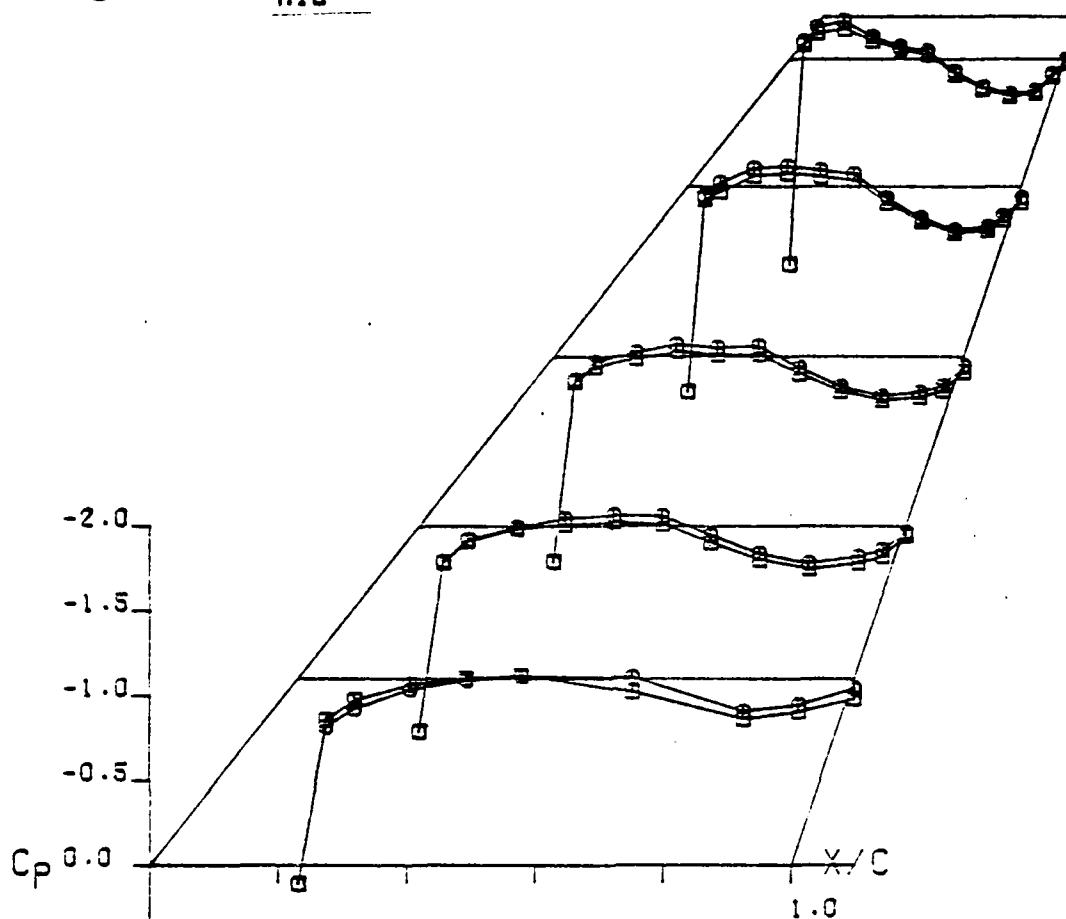


LOCKHEED CFWT SEMI-SPAN TEST, RUN 65
 CLN VS MID (UPR SURF ETA .95)
 AFOSR SEMISPAN MODEL B

SYM CONFIGURATION

□
○

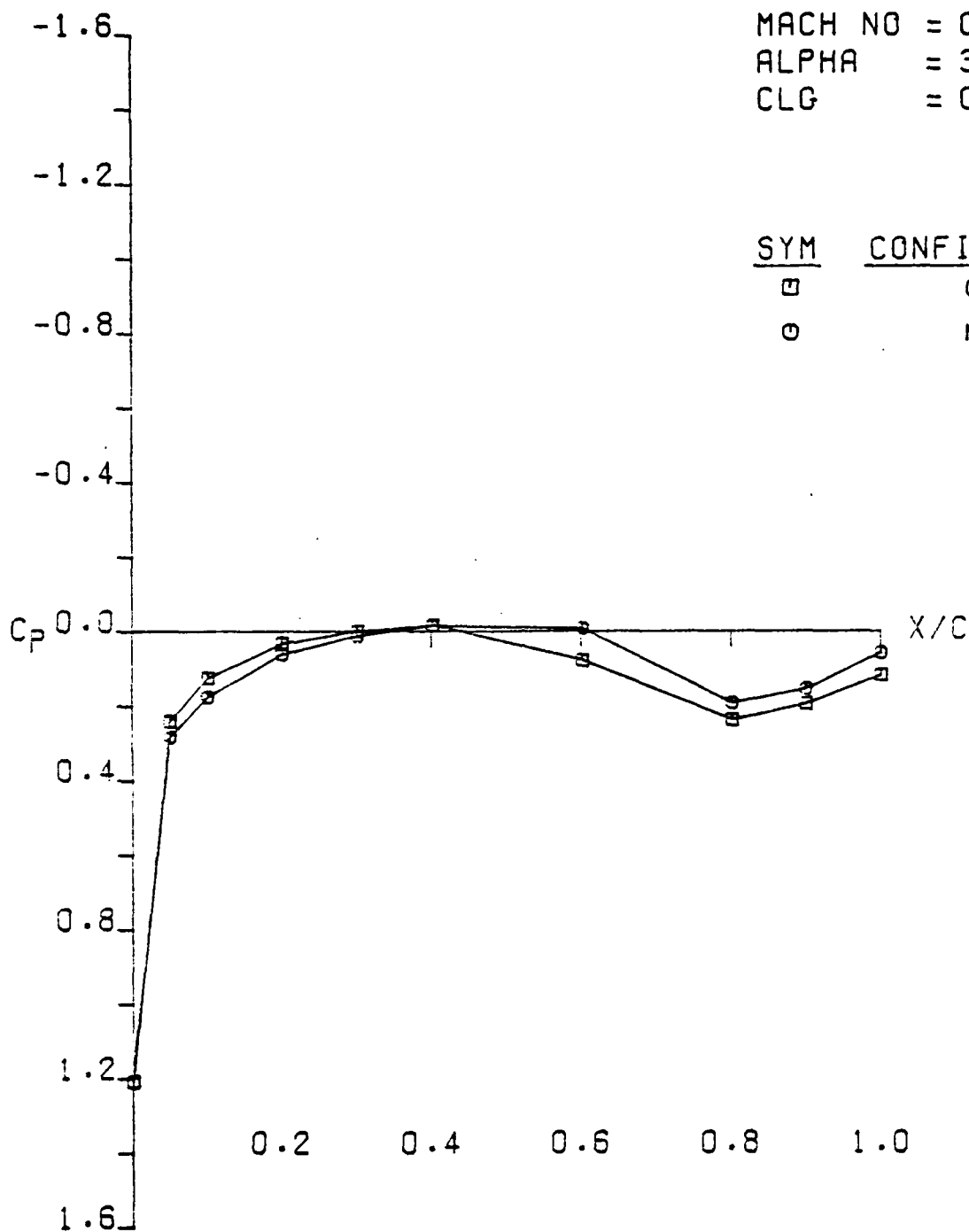
CLEAN
MID



CONDITIONS

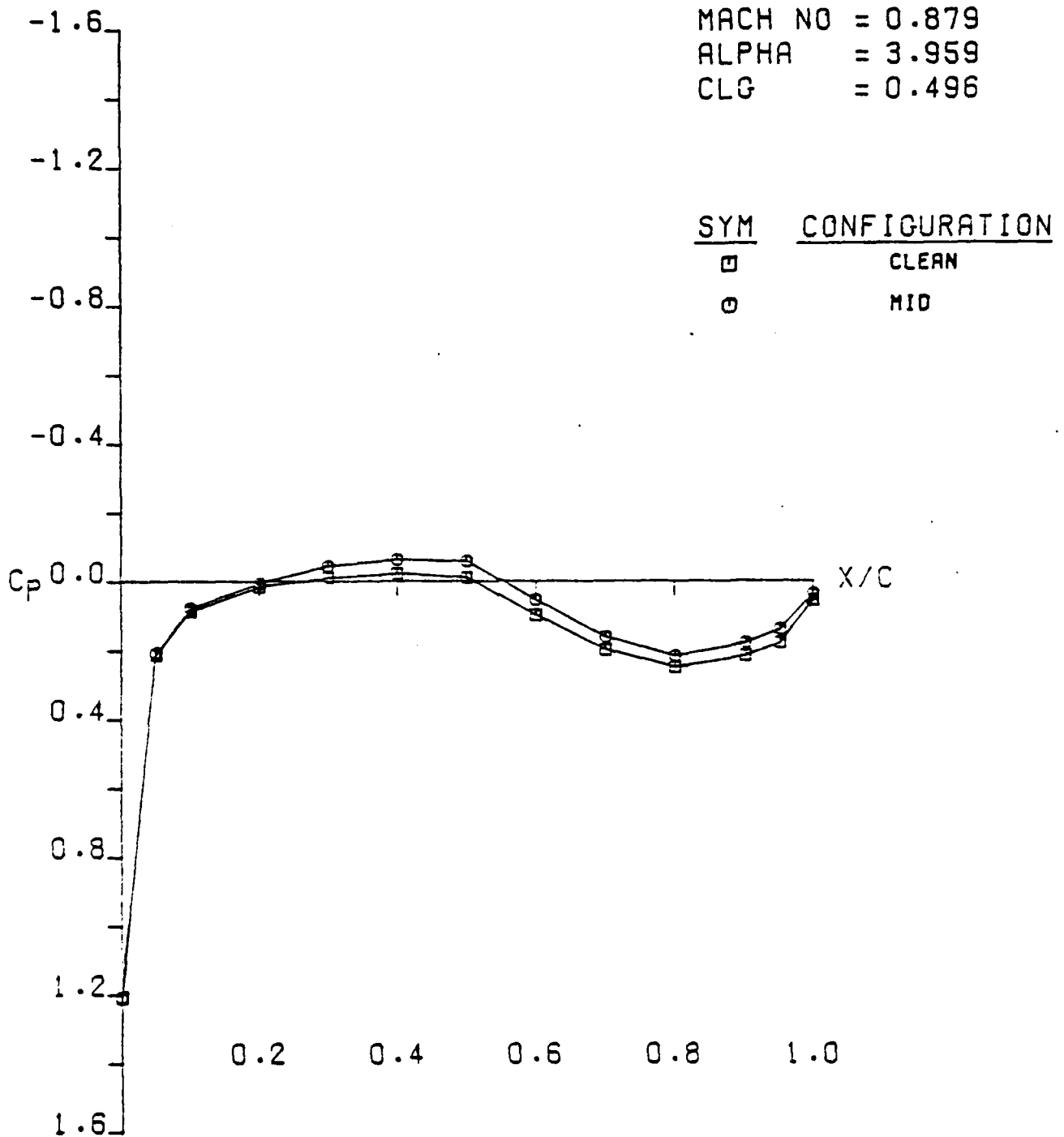
MACH NO = 0.879
ALPHA = 3.953
CL = 0.496
CD = 0.037
CM = -0.075
CLG = 0.496

LOCKHEED CFWT SEMI-SPAN TEST, RUN 65
CLN VS MID (LWR SURF)
AFOSR SEMISPAN MODEL B



LOCKHEED CFWT SEMI-SPAN TEST, RUN 65
CLN VS MID (LWR SURF ETA.216)
AFOSR SEMISPAN MODEL 3

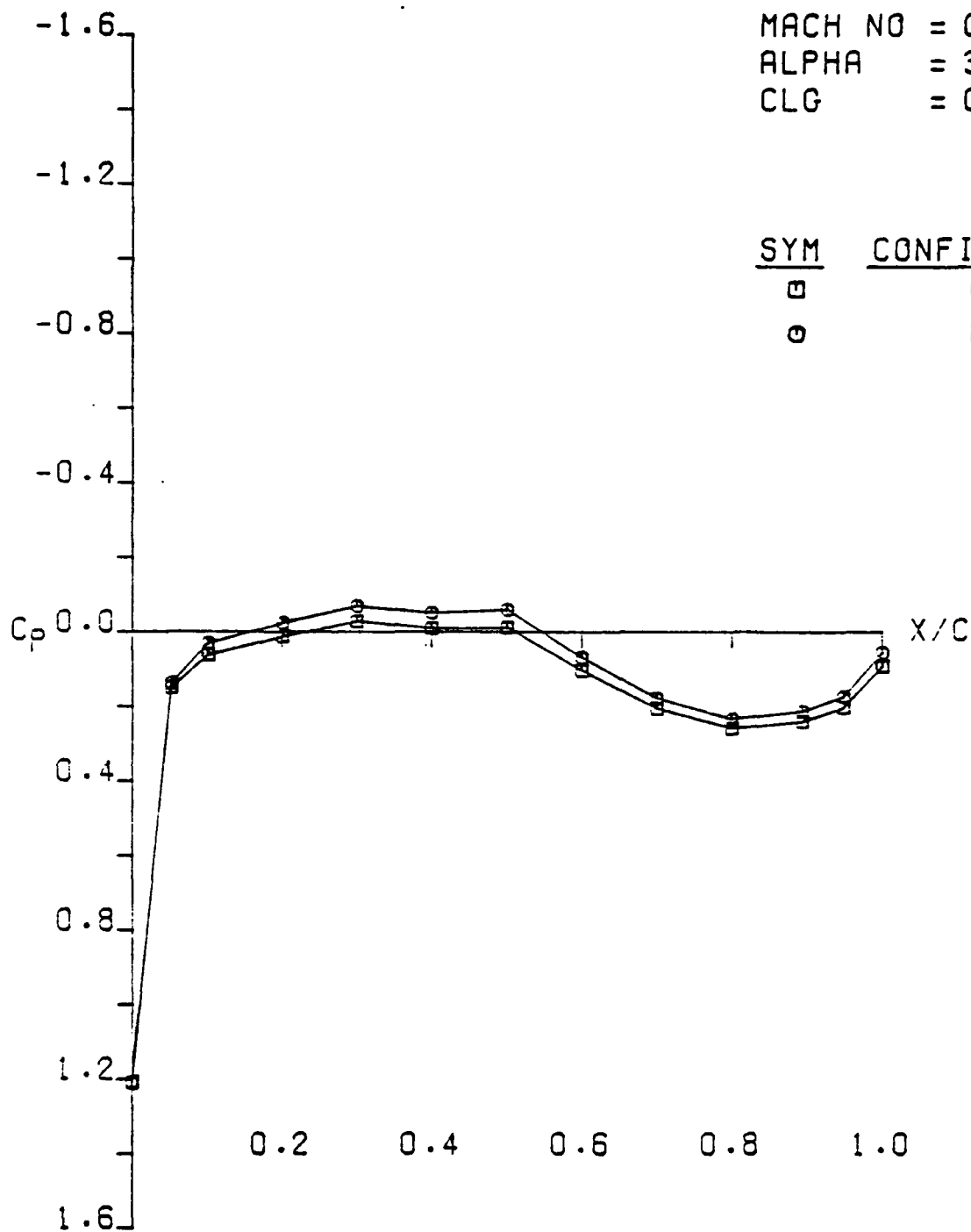
MACH NO = 0.879
 ALPHA = 3.959
 CLG = 0.496



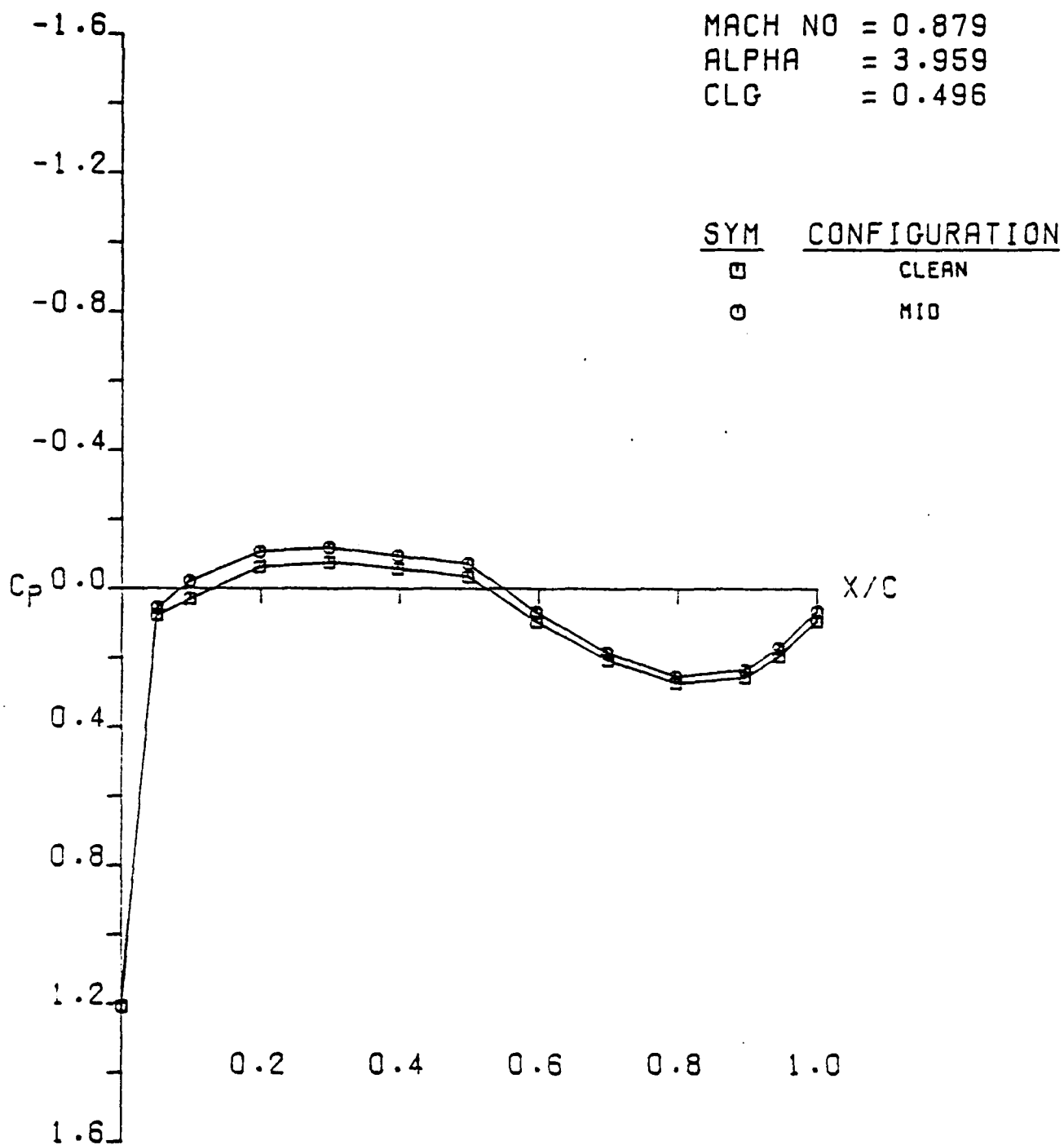
LOCKHEED CFWT SEMI-SPAN TEST, RUN 65
 CLN VS MID (LWR SURF ETA.4)
 AFOSR SEMISPAN MODEL B

MACH NO = 0.879
 ALPHA = 3.959
 CLG = 0.496

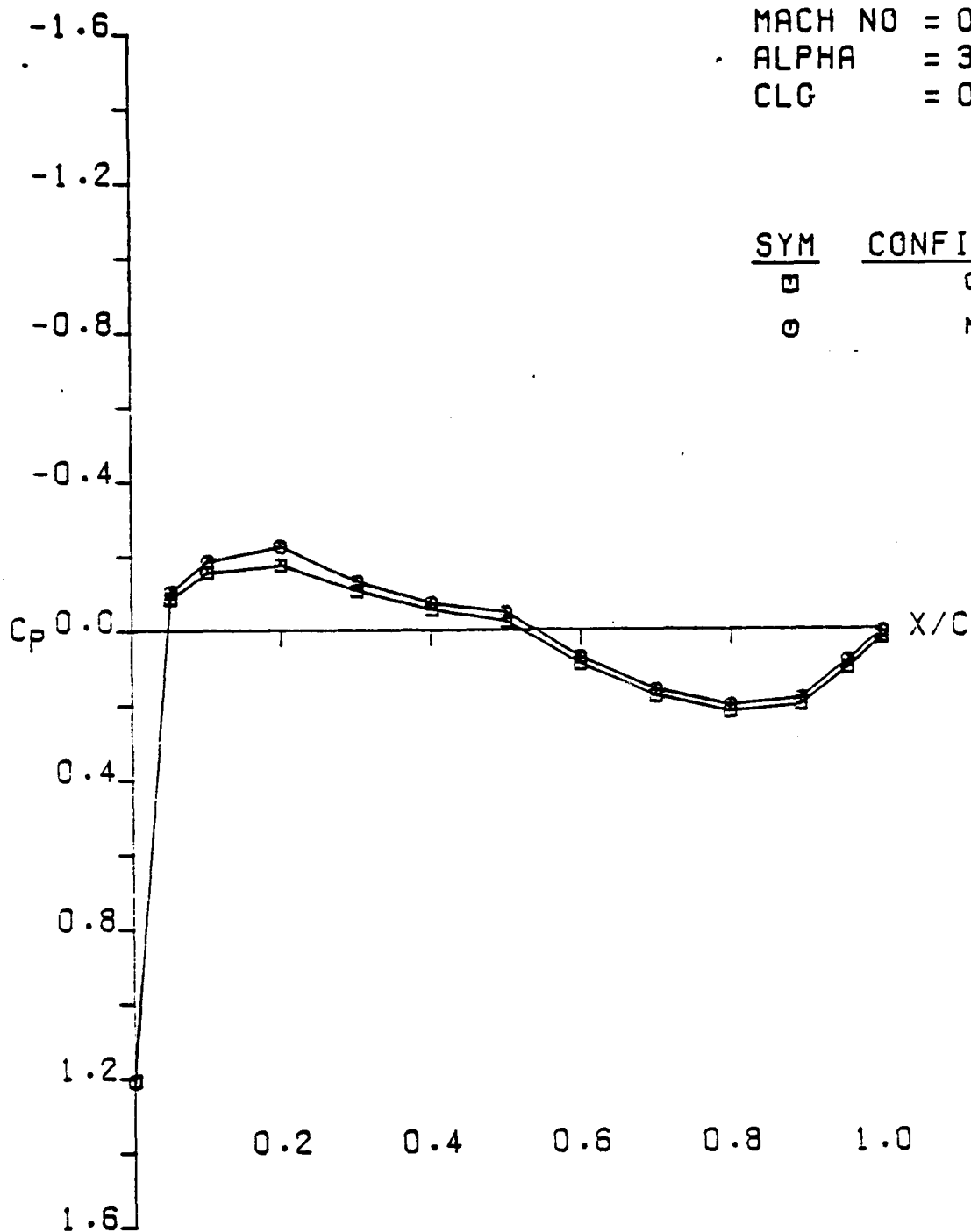
SYM	CONFIGURATION
□	CLEAN
○	MID



LOCKHEED CFWT SEMI-SPAN TEST, RUN 65
 CLN VS MID (LWR SURF ETA.60)
 AFOSR SEMISPAN MODEL B



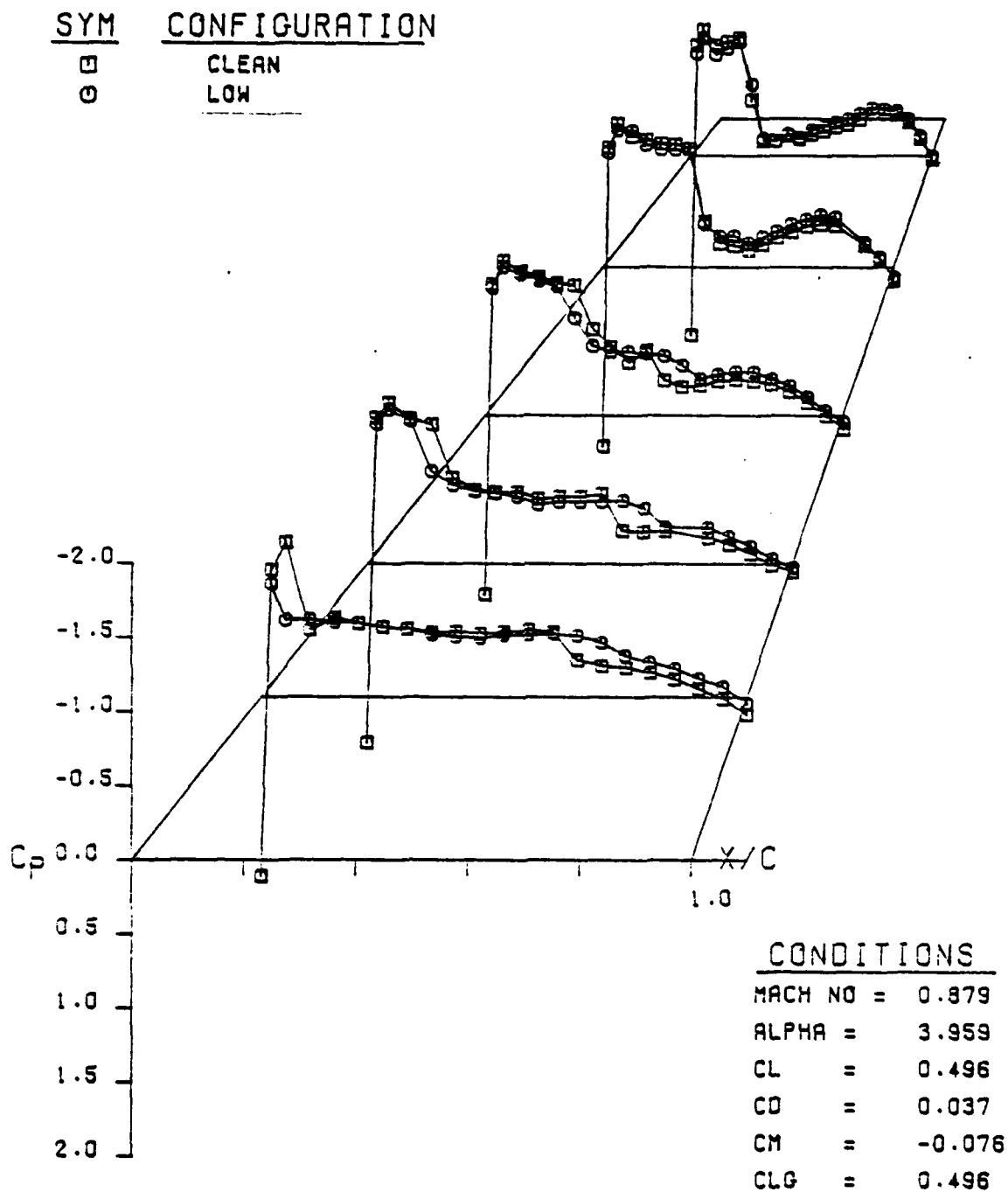
LOCKHEED CFWT SEMI-SPAN TEST, RUN 65
CLN VS MID (LWR SURF ETA.8)
AFOSR SEMISPAN MODEL B



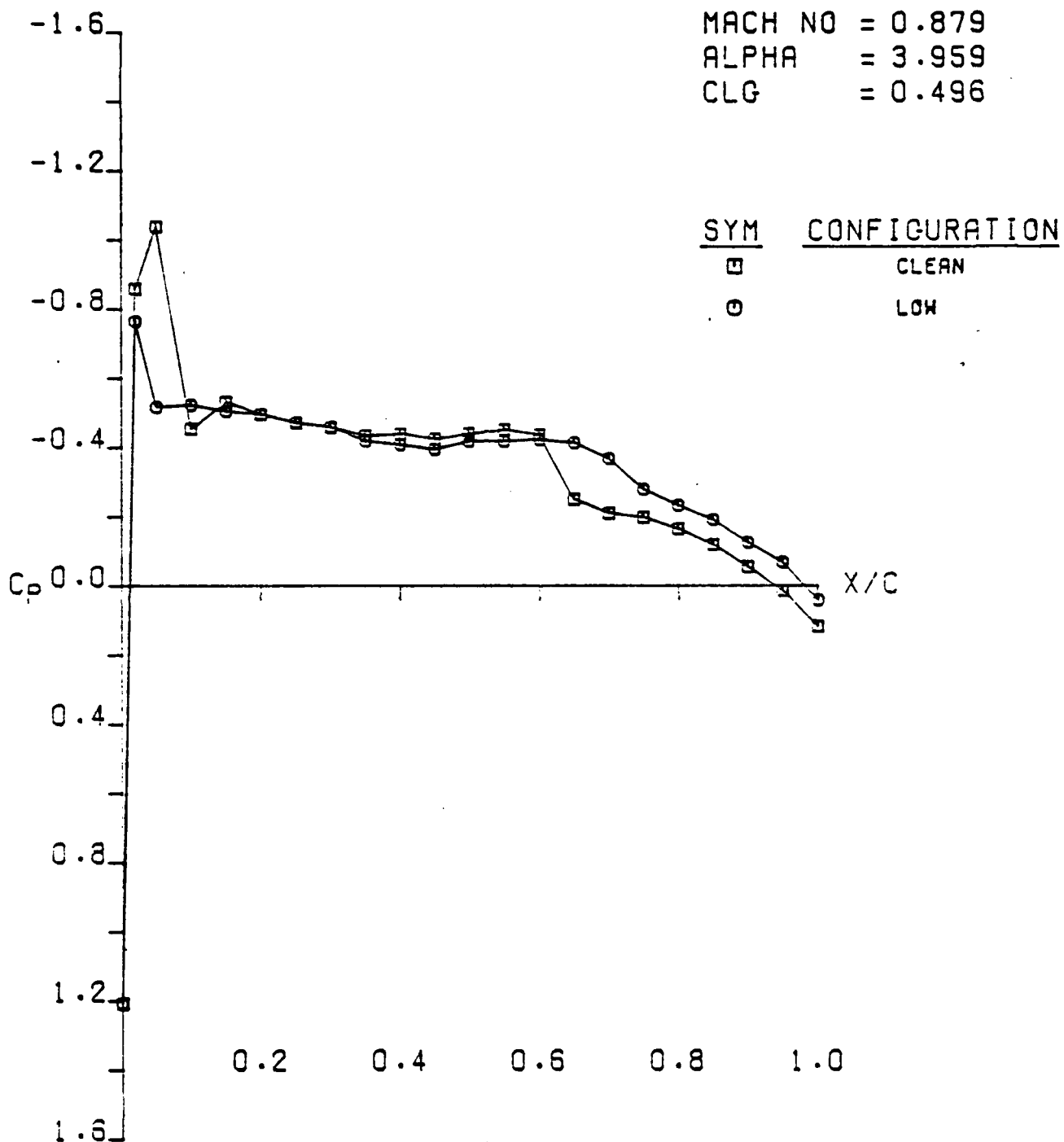
MACH NO = 0.879
 ALPHA = 3.959
 CLG = 0.496

SYM	CONFIGURATION
□	CLEAN
○	MID

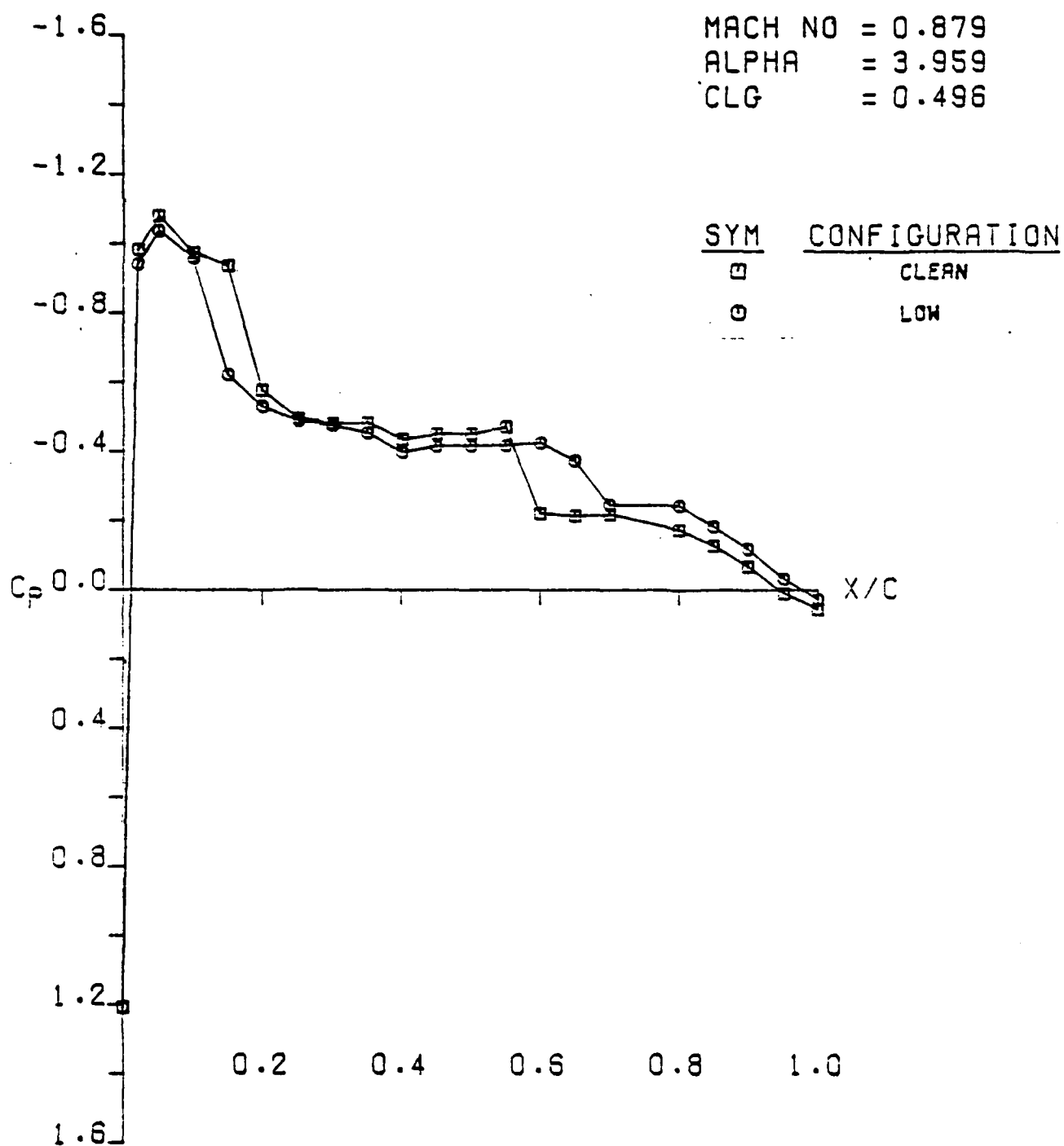
LOCKHEED CFWT SEMI-SPAN TEST, RUN 65
 CLN VS MID (LWR SURF ETA.95)
 AFOSR SEMISPAN MODEL B



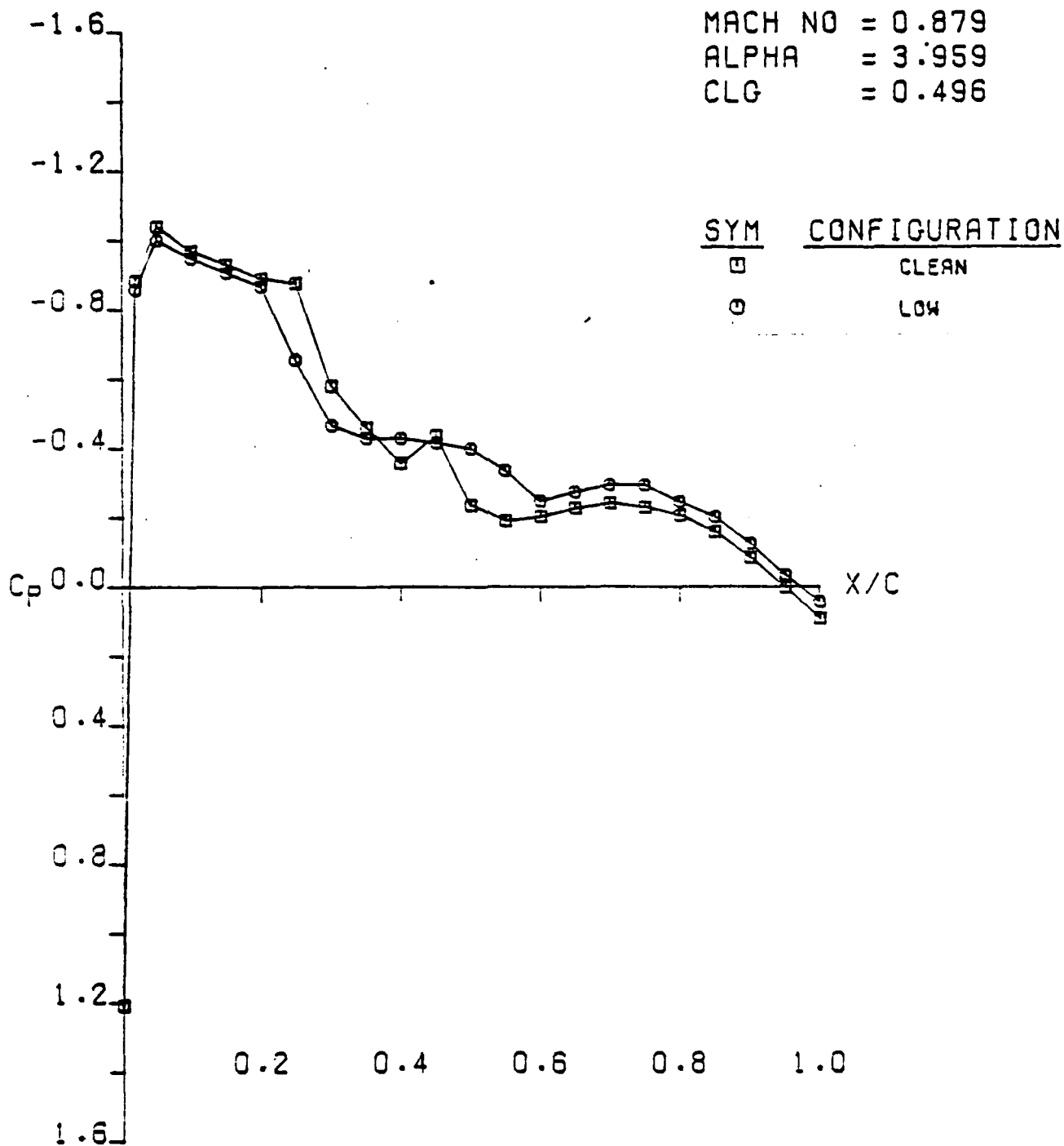
LOCKHEED CFWT SEMI-SPAN TEST, RUN 65
 CLN VS LOW (UPR SURF)
 AFOSR SEMISPAN MODEL B



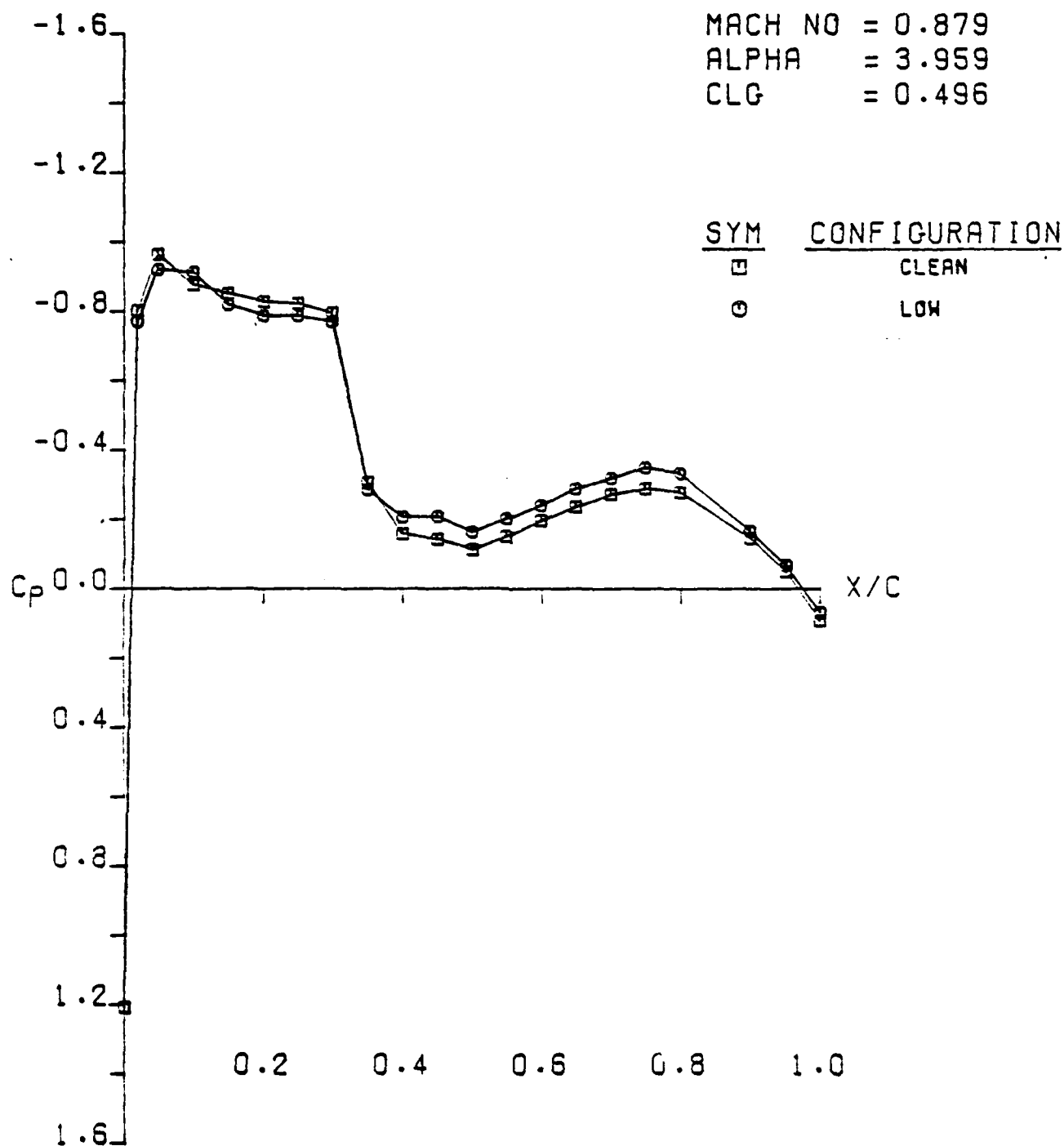
LOCKHEED CFWT SEMI-SPAN TEST, RUN 65
CLN VS LOW (UPR SURF ETA.216)
AFOSR SEMISPAN MODEL B



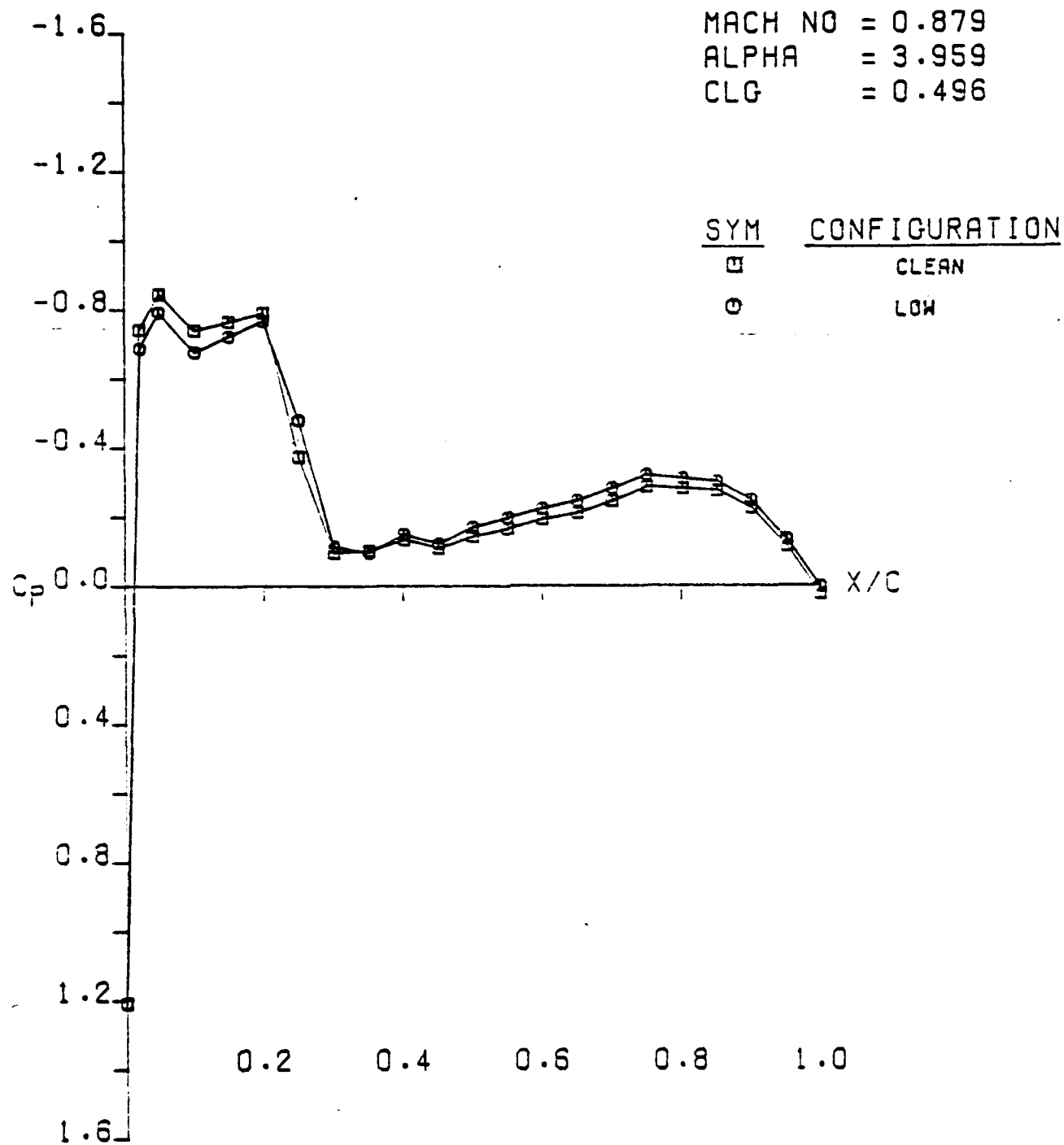
LOCKHEED CFWT SEMI-SPAN TEST, RUN 65
CLN VS LOW (UPR SURF ETA .40)
AFOSR SEMISPAN MODEL B



LOCKHEED CFWT SEMI-SPAN TEST, RUN 65
CLN VS LOW (UPR SURF ETA .60)
AFOSR SEMISPAN MODEL B



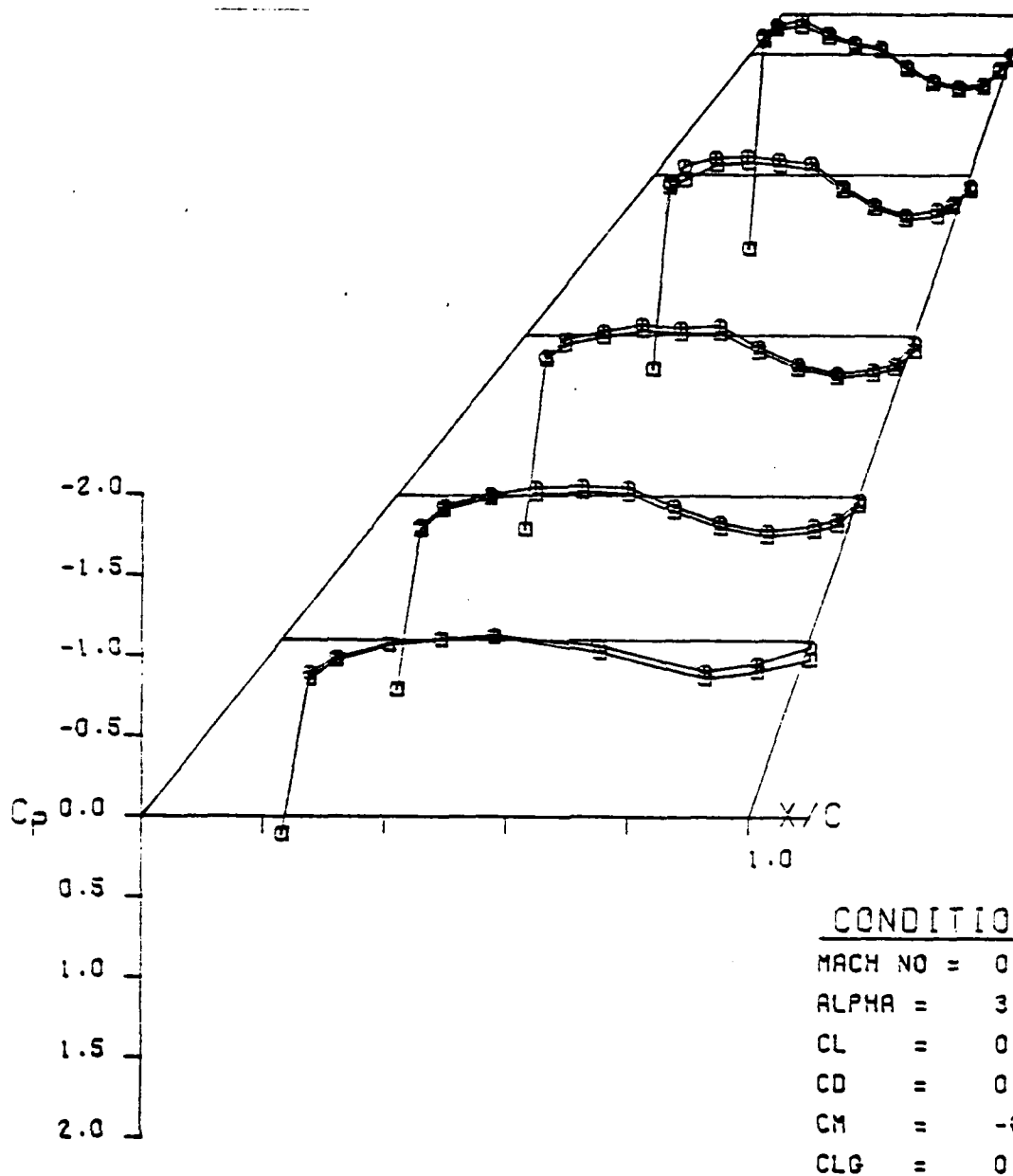
LOCKHEED CFWT SEMI-SPAN TEST, RUN 65
CLN VS LOW (UPR SURF ETA .8)
AFOSR SEMISPAN MODEL B



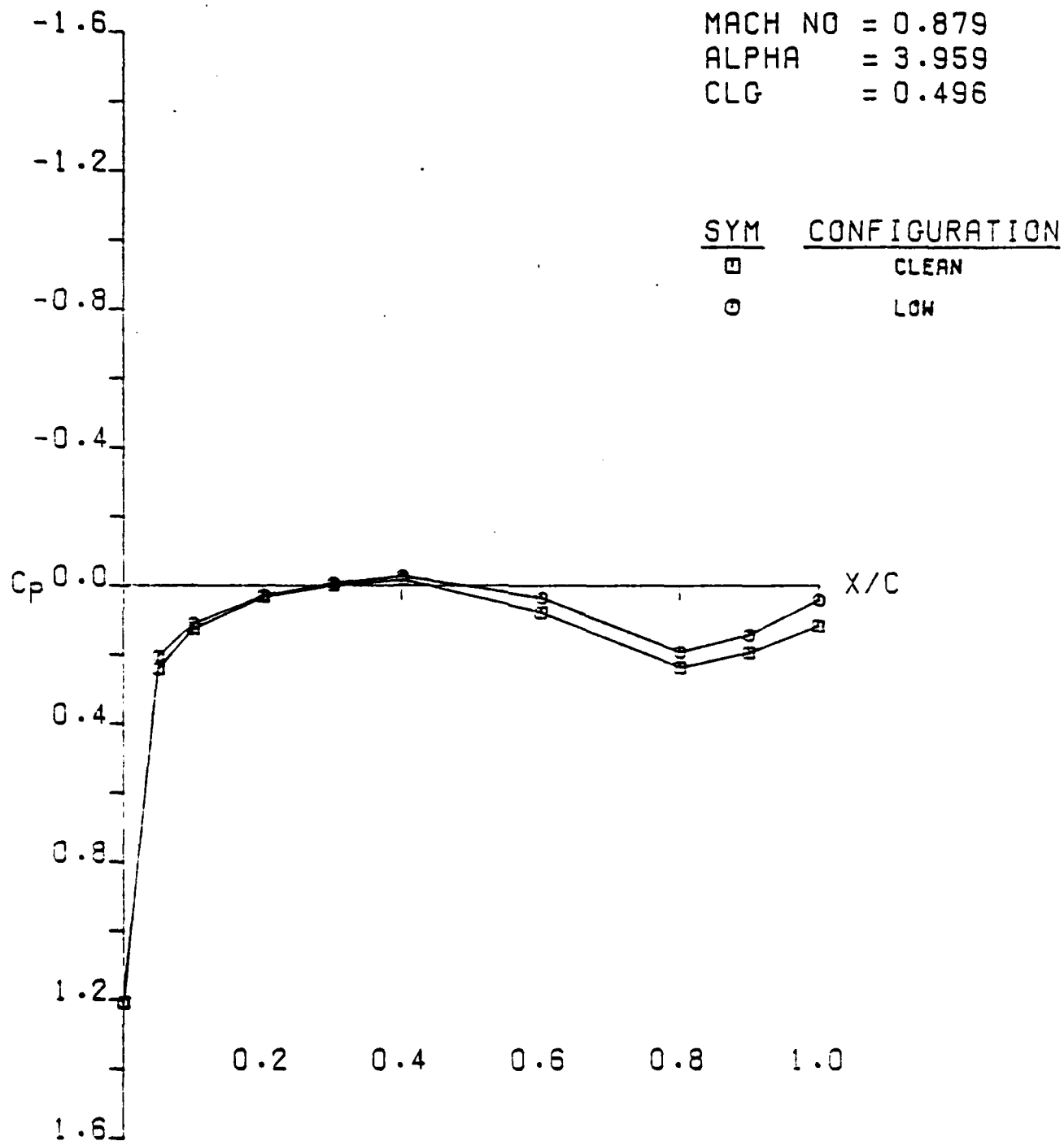
LOCKHEED CFWT SEMI-SPAN TEST, RUN 65
CLN VS LOW (UPR SURF ETA .95)
AFOSR SEMISPAN MODEL B

SYM CONFIGURATION

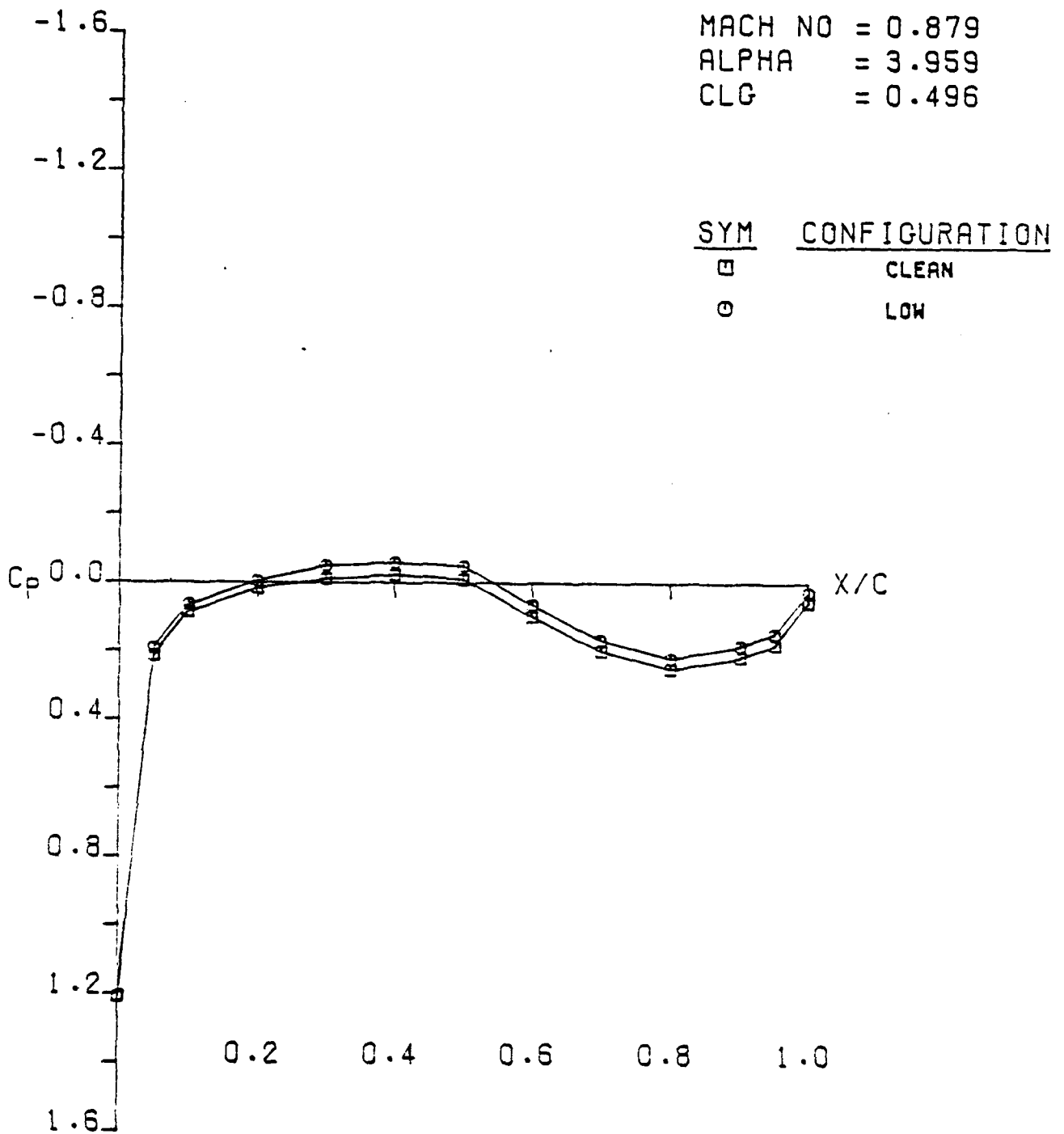
□ CLEAN
○ LOW



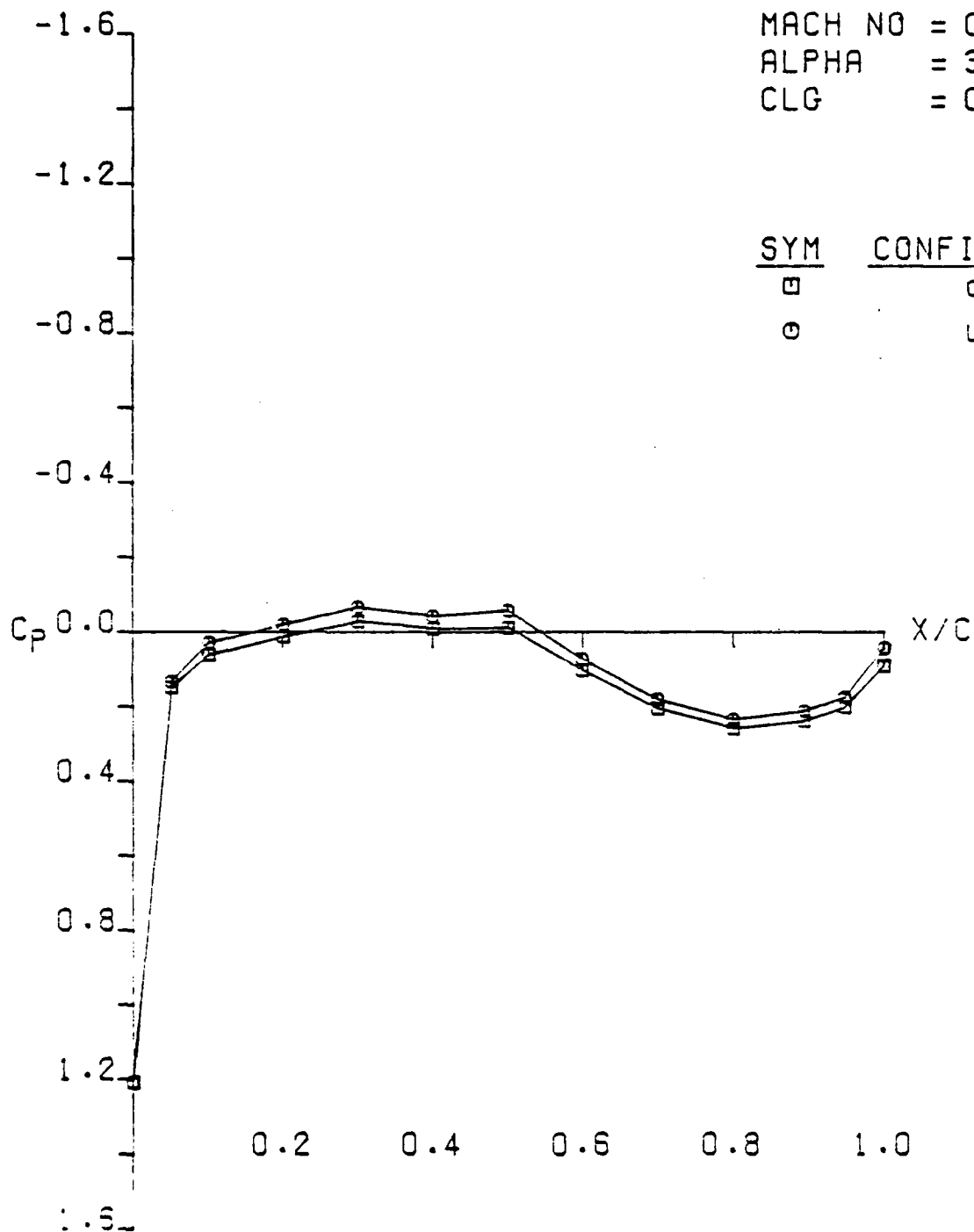
LOCKHEED CFWT SEMI-SPAN TEST, RUN 65
CLN VS LOW (LWR SURF)
AFOSR SEMISPAN MODEL B



LOCKHEED CFWT SEMI-SPAN TEST, RUN 65
 CLN VS LOW (LWR SURF ETA.216)
 AFOSR SEMISPAN MODEL B



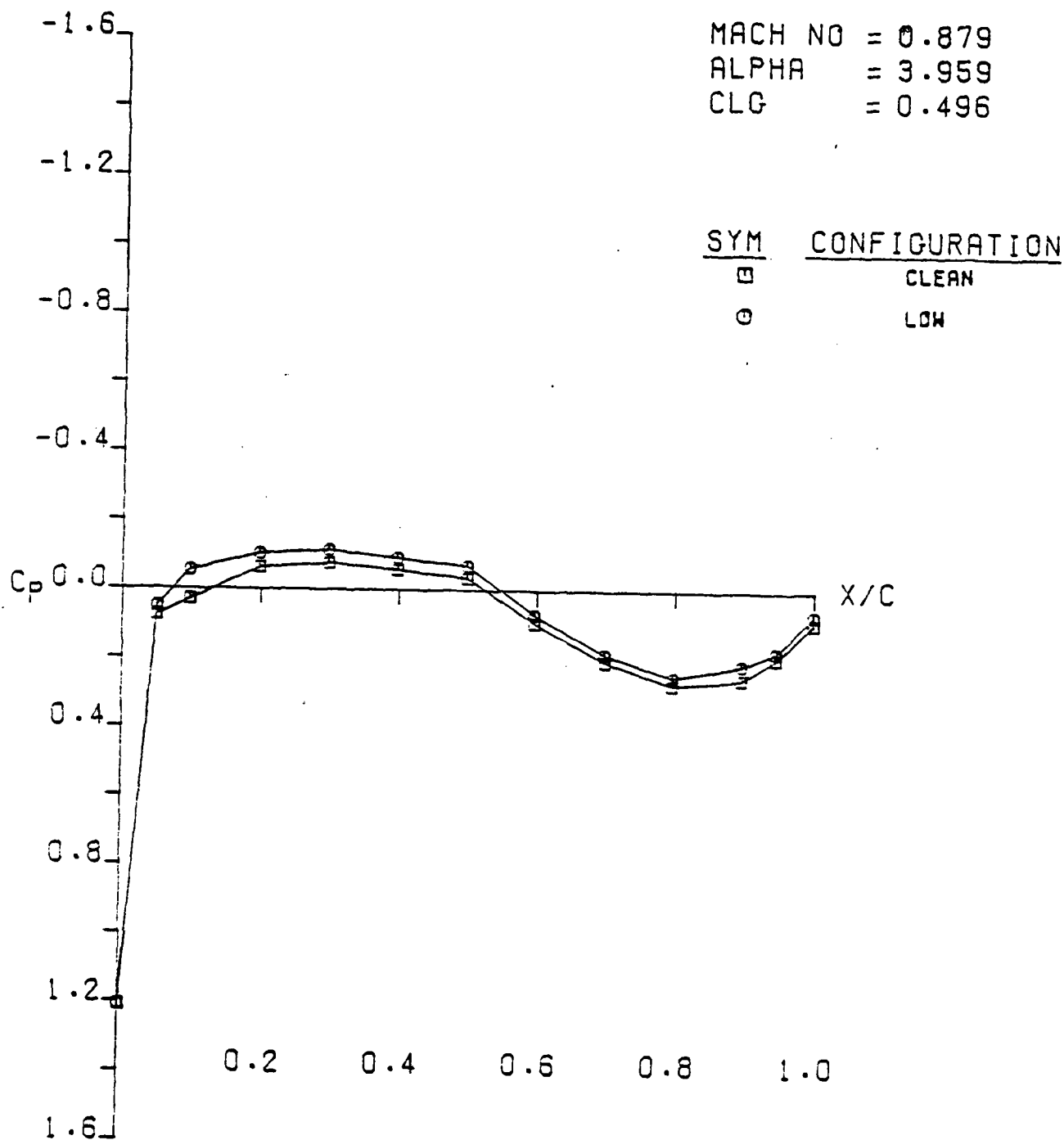
LOCKHEED CFWT SEMI-SPAN TEST, RUN 65
CLN VS LOW (LWR SURF ETA.4)
AFOSR SEMISPAN MODEL B



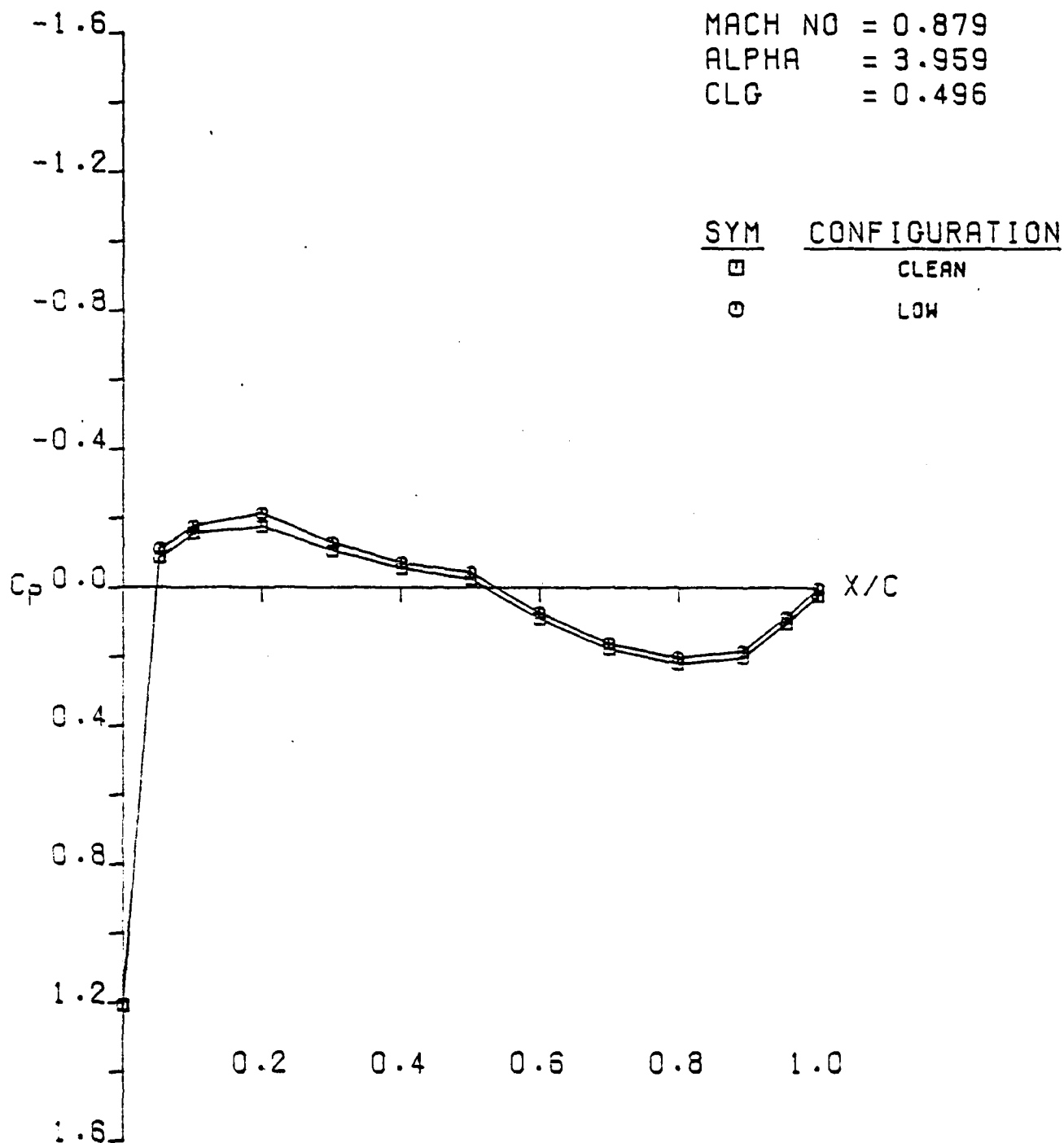
MACH NO = 0.879
 ALPHA = 3.959
 CLG = 0.496

SYM	CONFIGURATION
□	CLEAN
○	LOW

LOCKHEED CFWT SEMI-SPAN TEST, RUN 65
 CLN VS LOW (LWR SURF ETA.60)
 AFCSR SEMISPAN MODEL 8



LOCKHEED CFWT SEMI-SPAN TEST, RUN 65
 CLN VS LOW (LWR SURF ETA.8)
 AFOSR SEMISPAN MODEL B

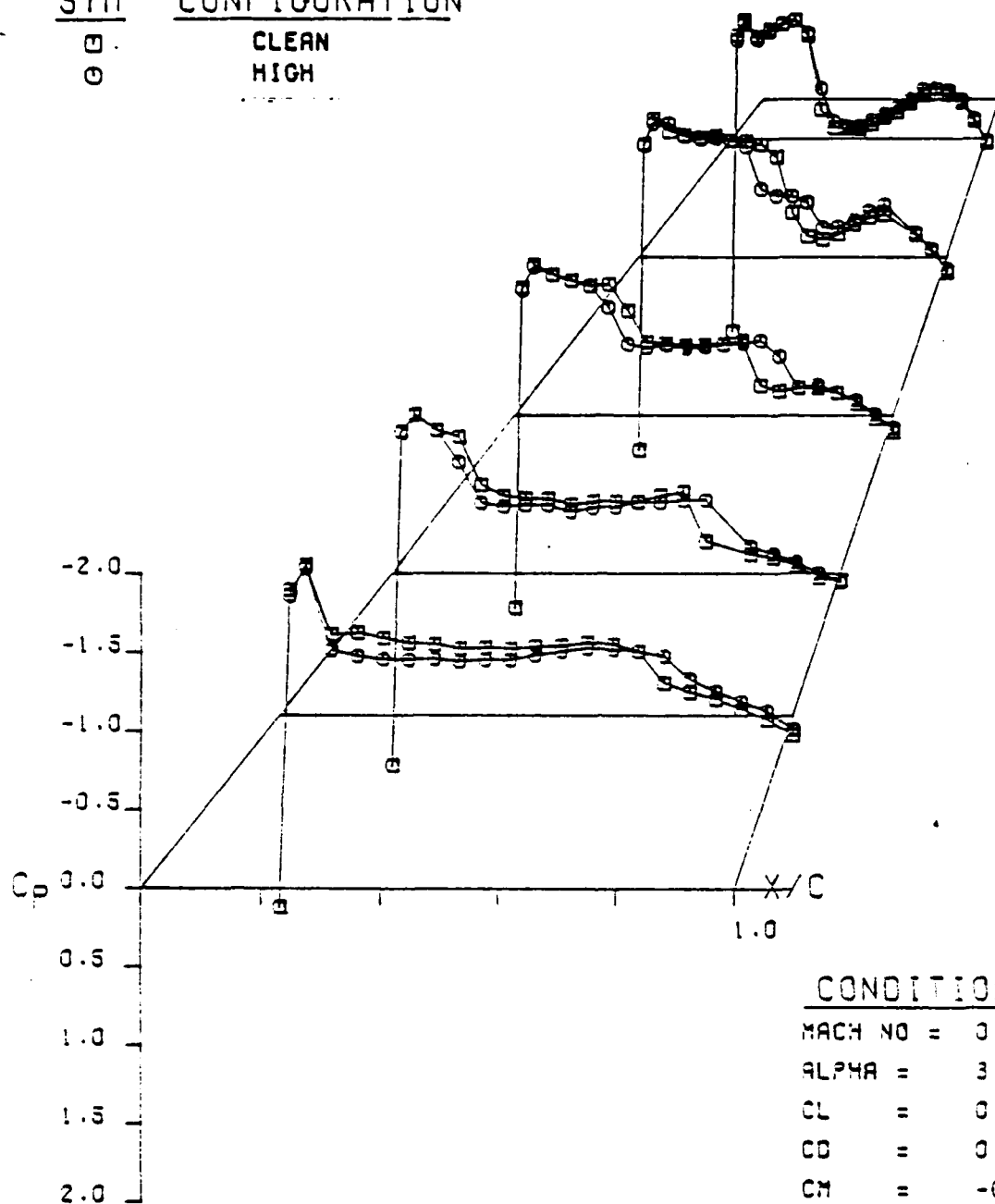


LOCKHEED CFWT SEMI-SPAN TEST, RUN 65
 CLN VS LOW (LWR SURF ETA.95)
 AFOSR SEMISPAN MODEL B

SYM CONFIGURATION

□
○

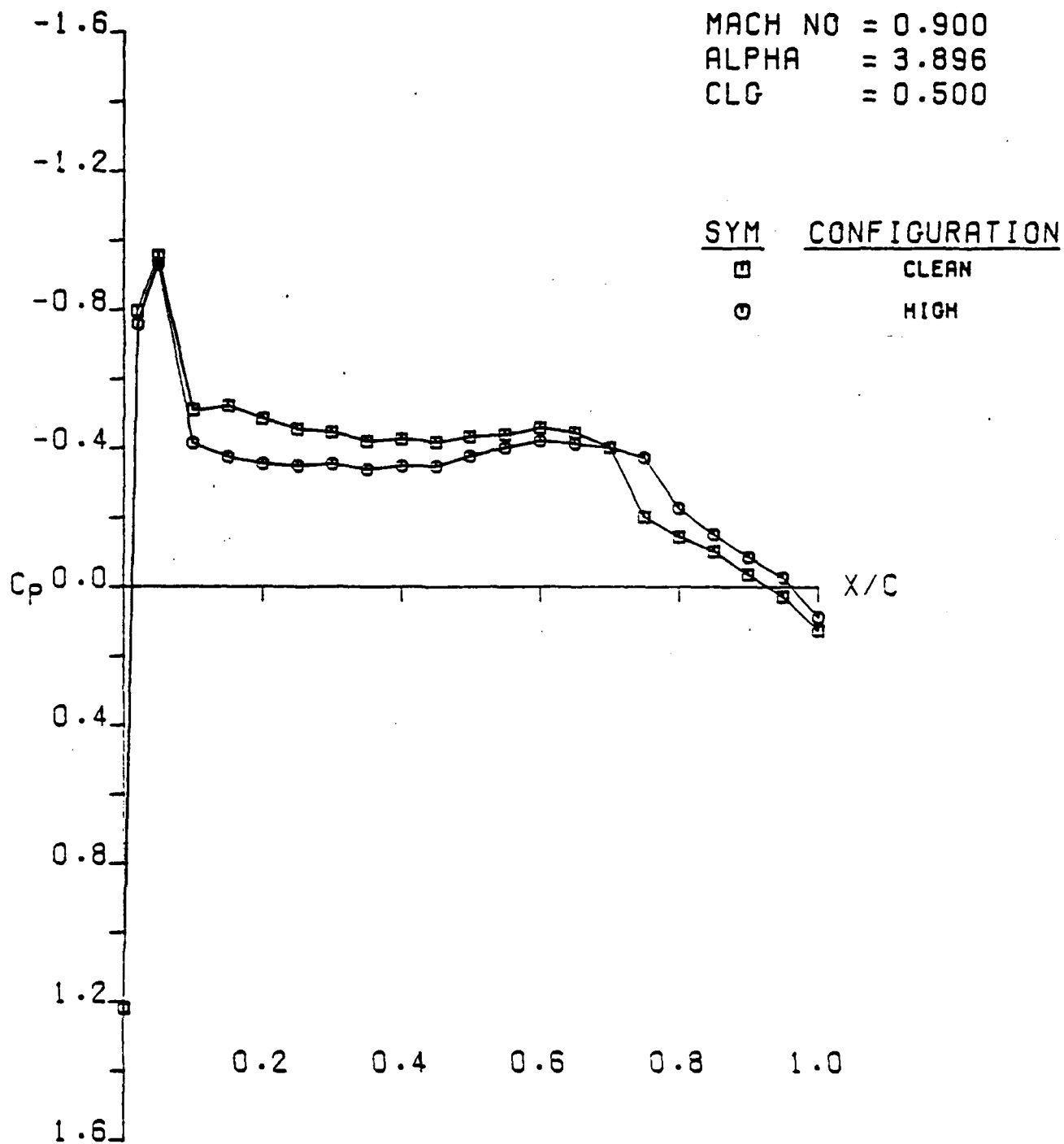
CLEAN
HIGH



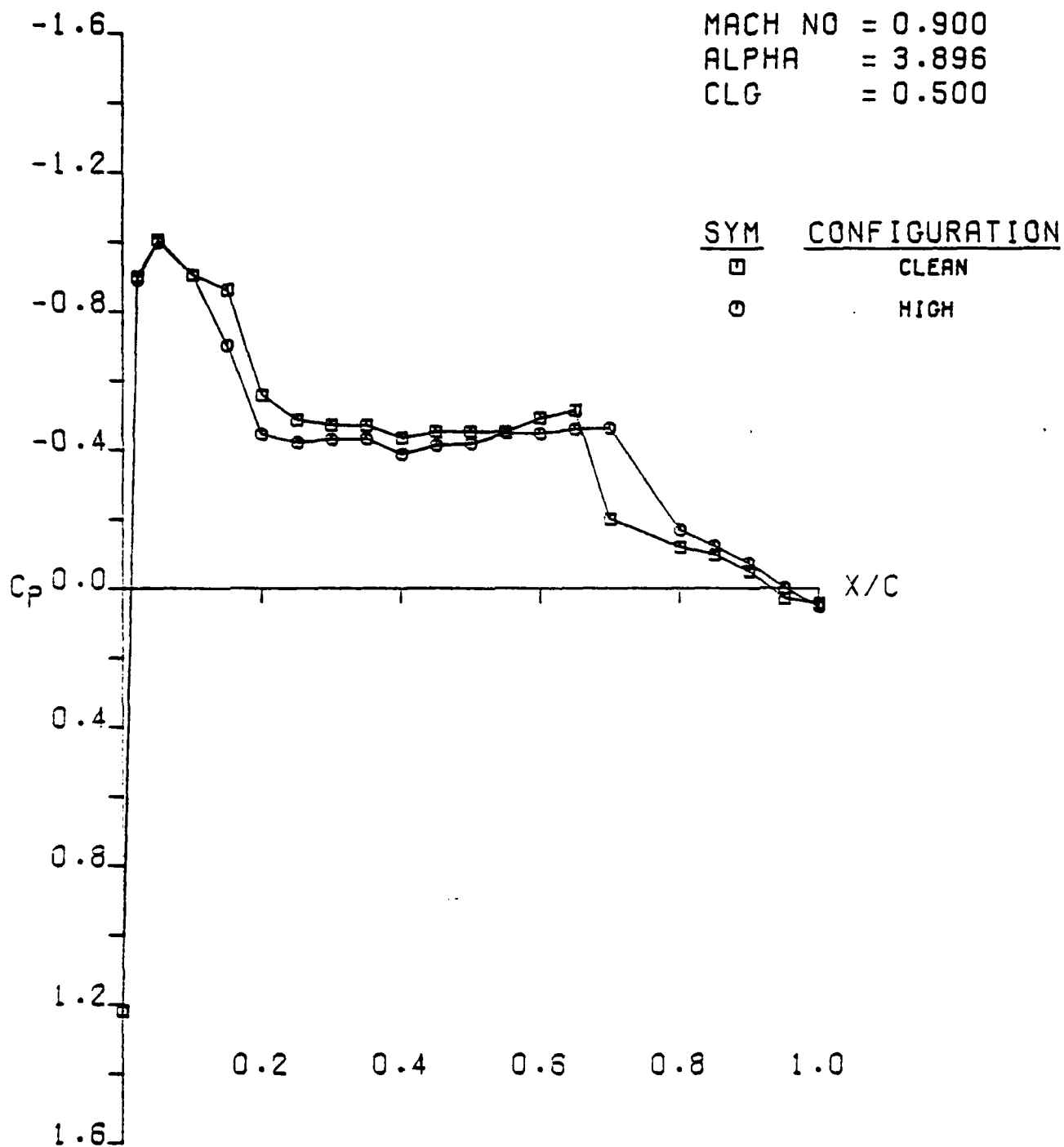
CONDITIONS

MACH NO = 0.300
ALPHA = 3.396
CL = 0.500
CD = 0.038
CM = -0.084
CLG = 0.500

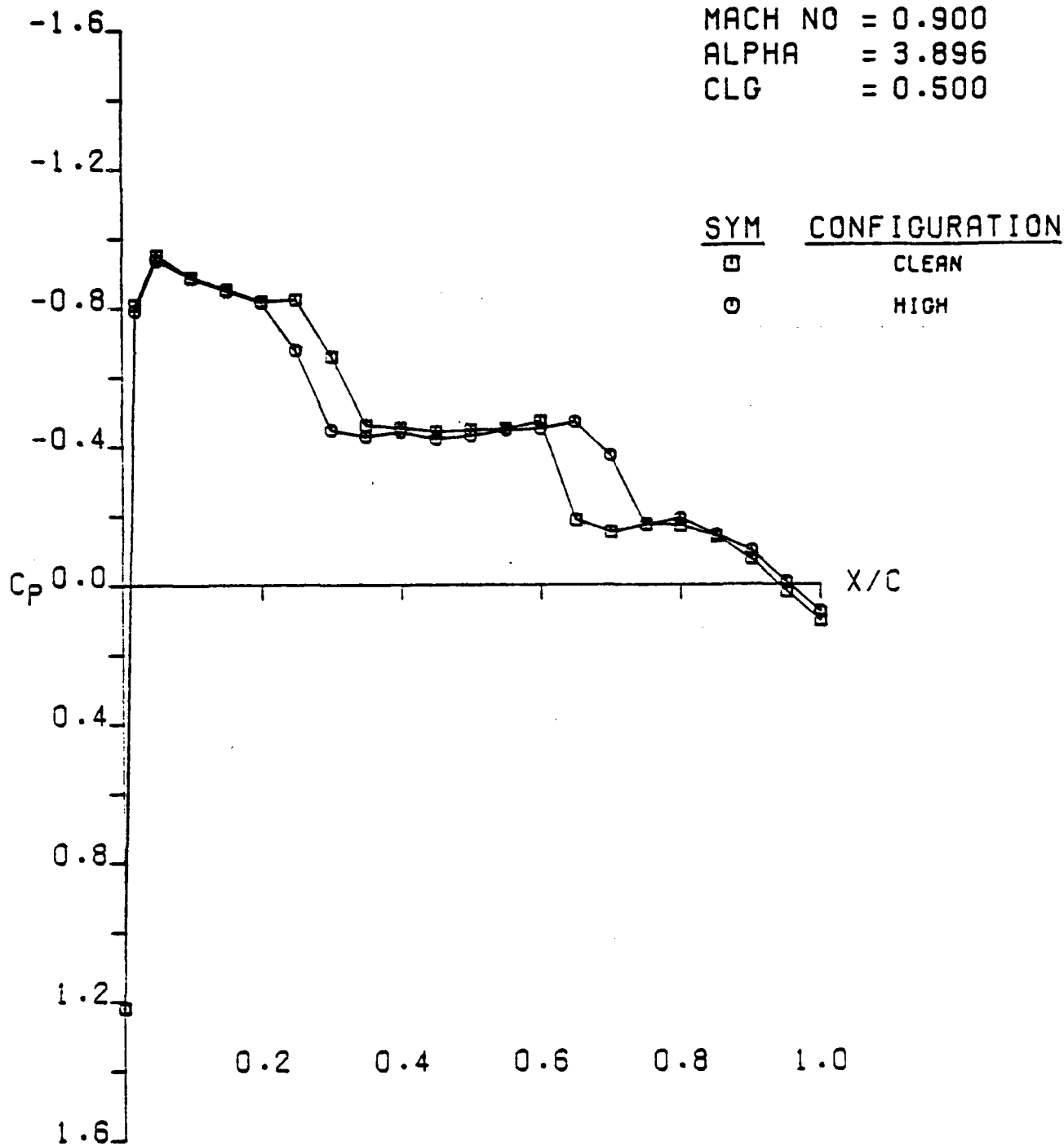
LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
CLN VS HIGH (UPR SURF)
AFOSR SEMISPAN MODEL B



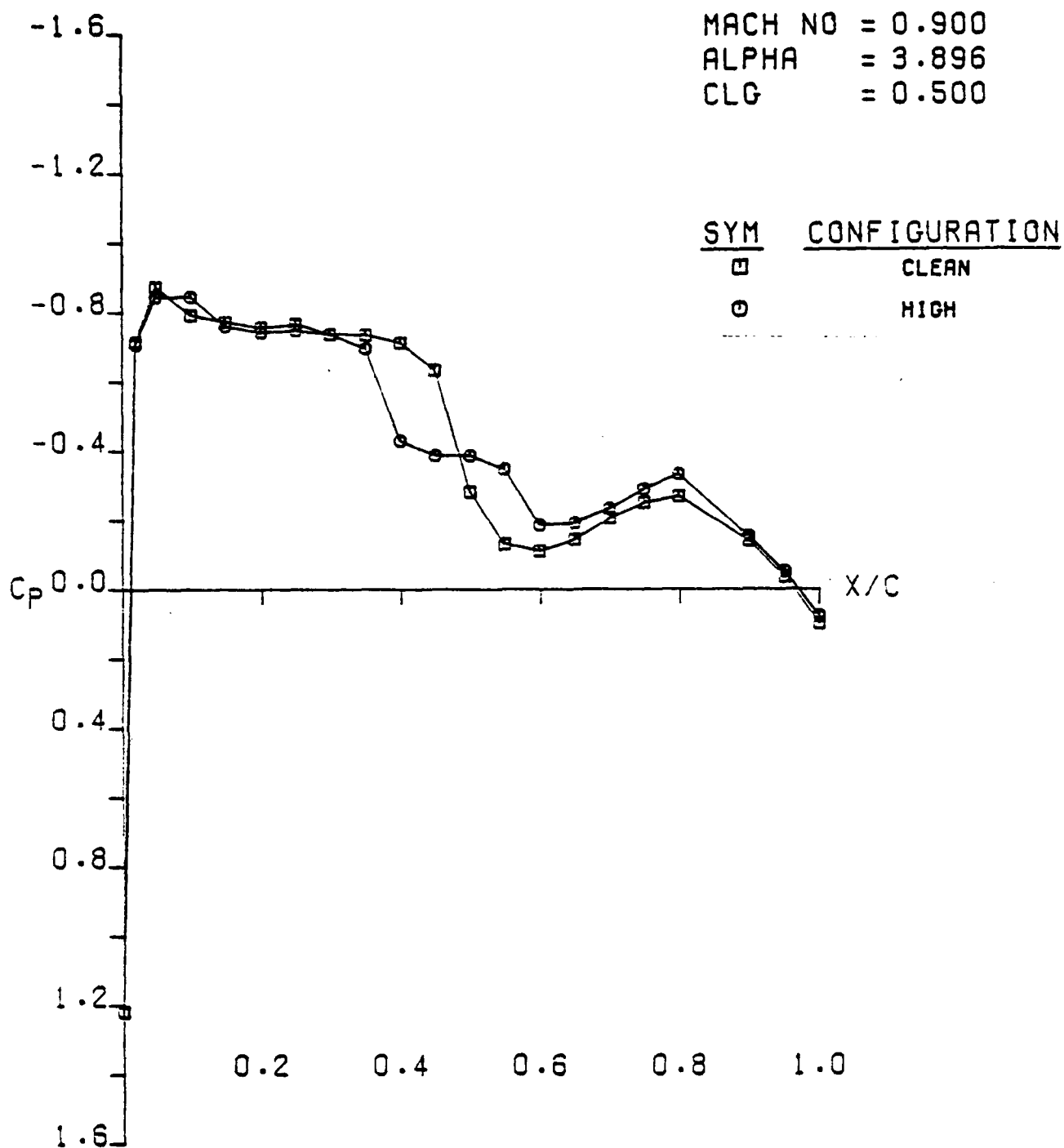
LOCKHEED CFWT SEMI-SPAN TEST. RUN 29
CLN VS HIGH (UPR SURF ETA.216)
AFOSR SEMISPAN MODEL B



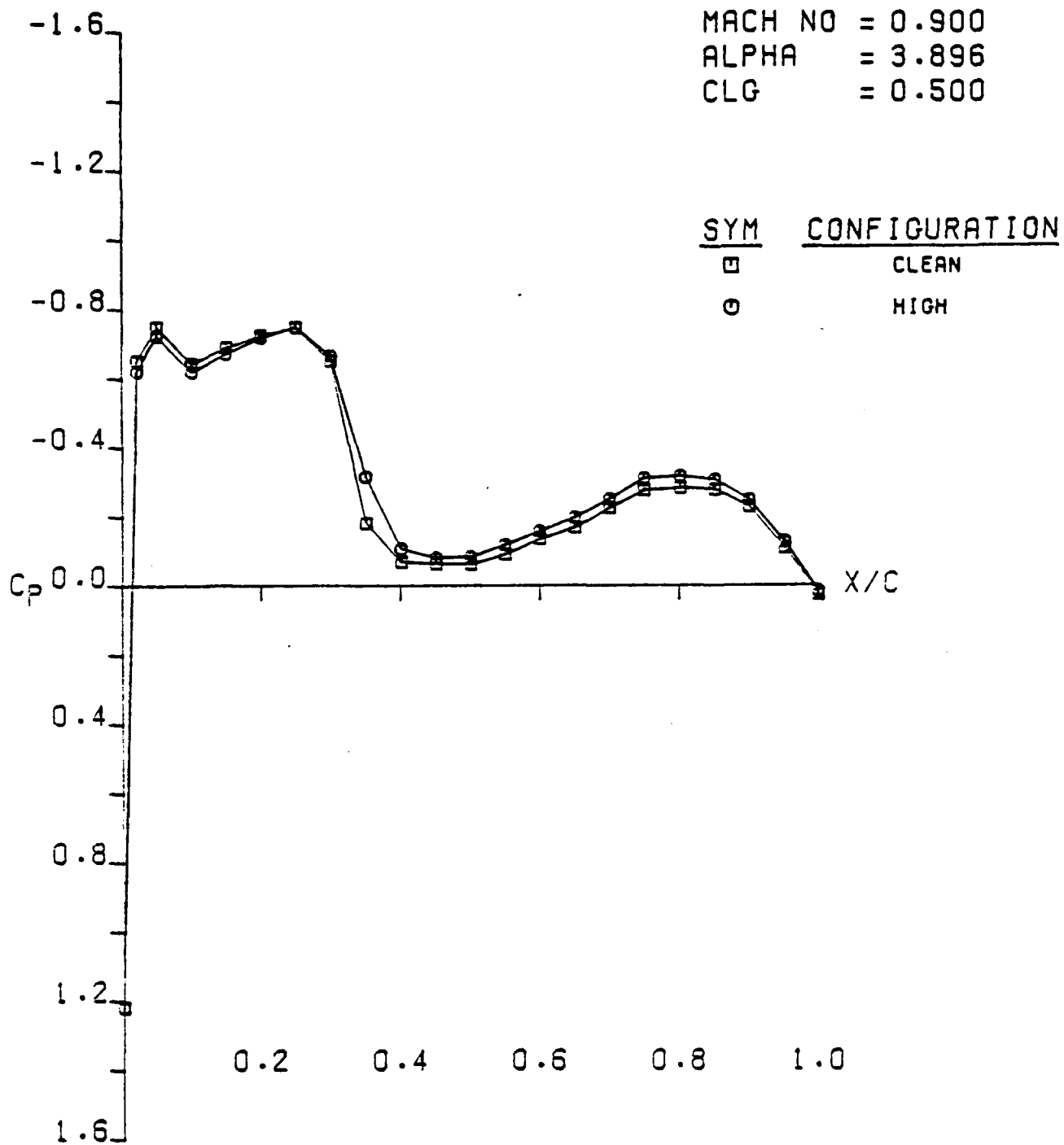
LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS HIGH (UPR SURF ETA .40)
 AFOSR SEMISPAN MODEL B



LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
CLN VS HIGH (UPR SURF ETA .60)
AFOSR SEMISPAN MODEL 3



LOCKHEED CFWT SEMI-SPAN TEST. RUN 29
 CLN VS HIGH (UPR SURF ETA .8)
 AFOSR SEMISPAN MODEL B

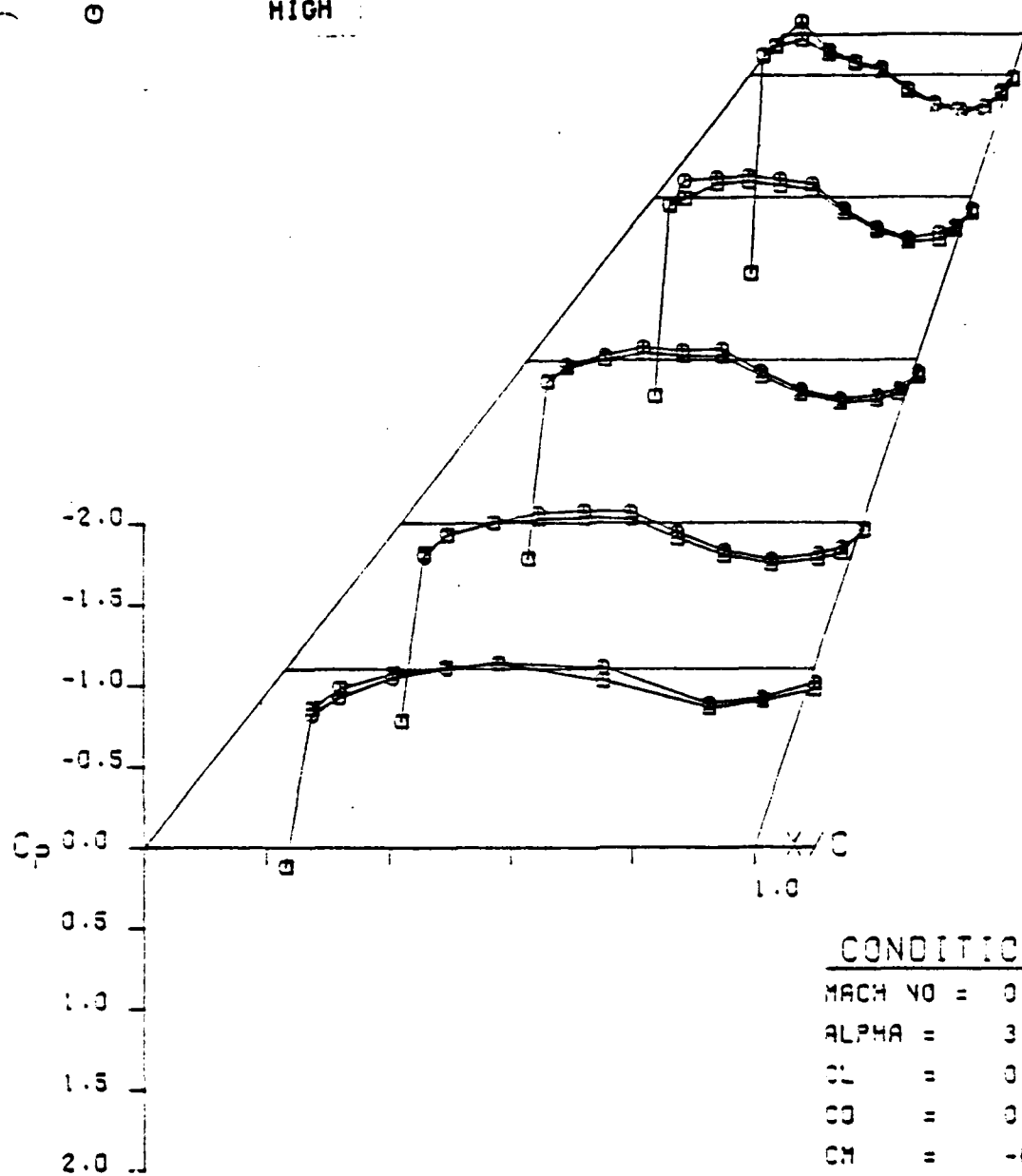


LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
CLN VS HIGH (UPR SURF ETA .95)
AFOSR SEMISPAN MODEL B

SYM CONFIGURATION

□ □

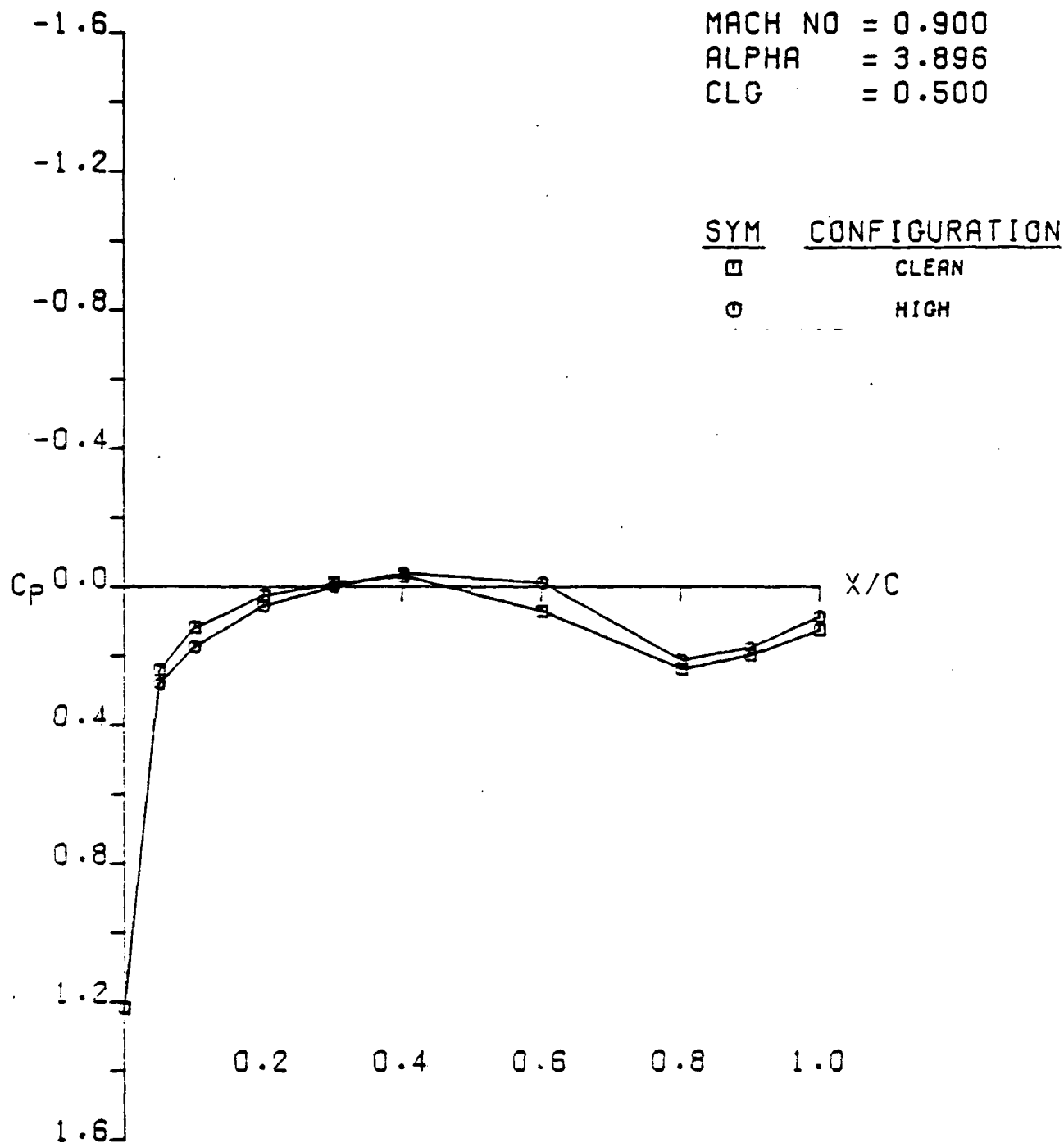
CLEAN
HIGH



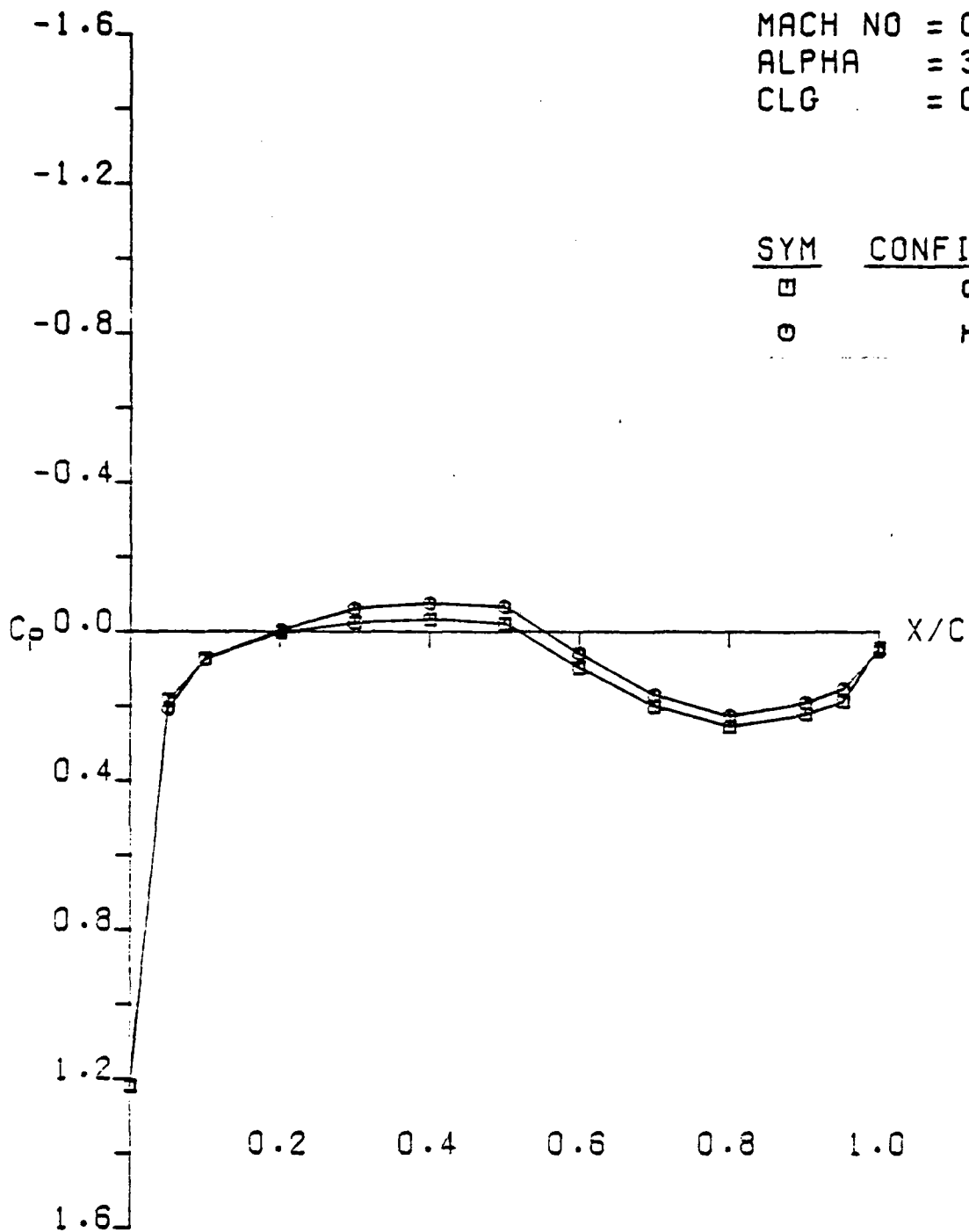
CONDITIONS

MACH NO = 0.300
ALPHA = 3.396
CL = 0.500
CD = 0.038
CM = -0.084
CLG = 0.500

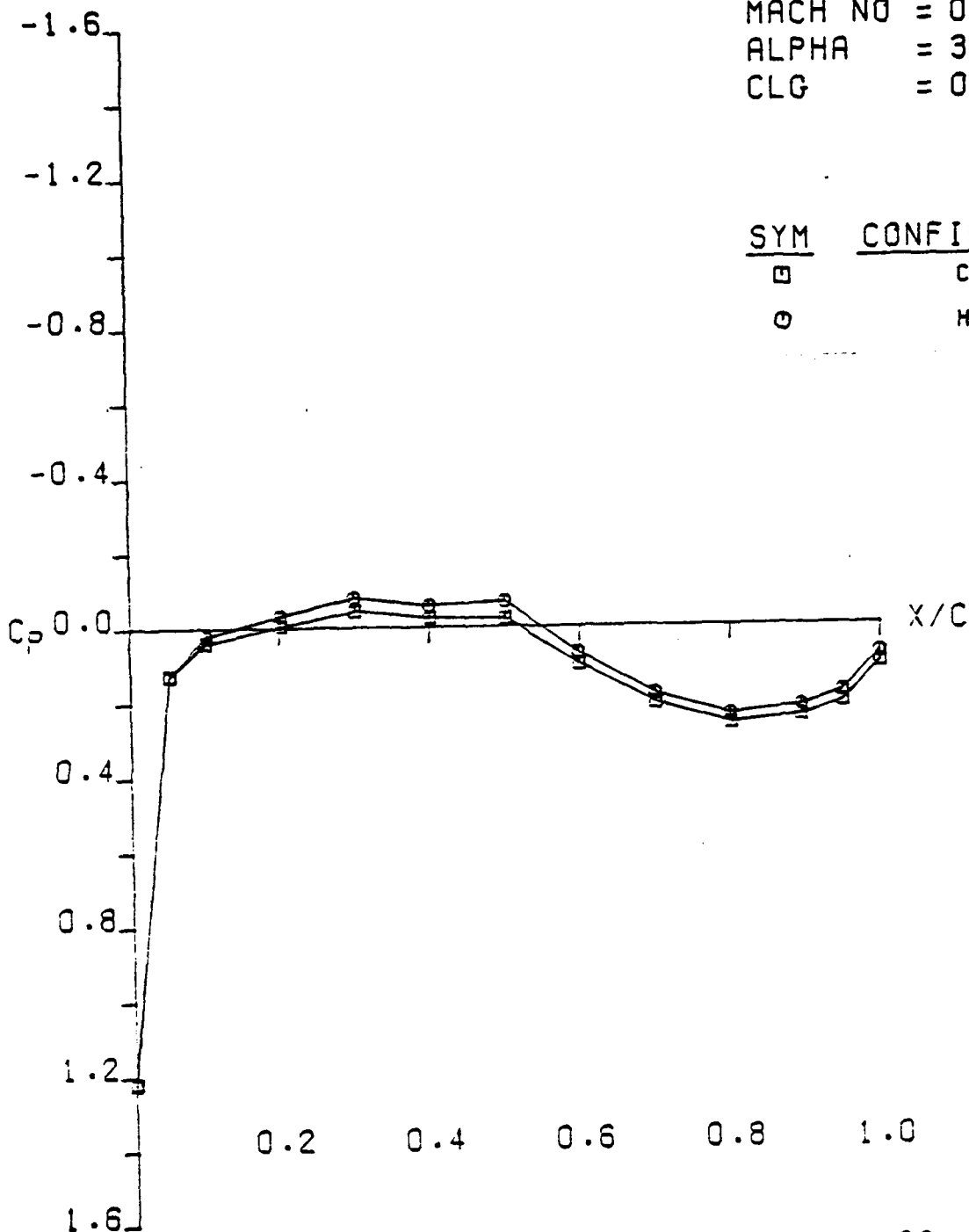
LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
CLN VS HIGH (LWR SURF)
AFOSR SEMISPAN MODEL B



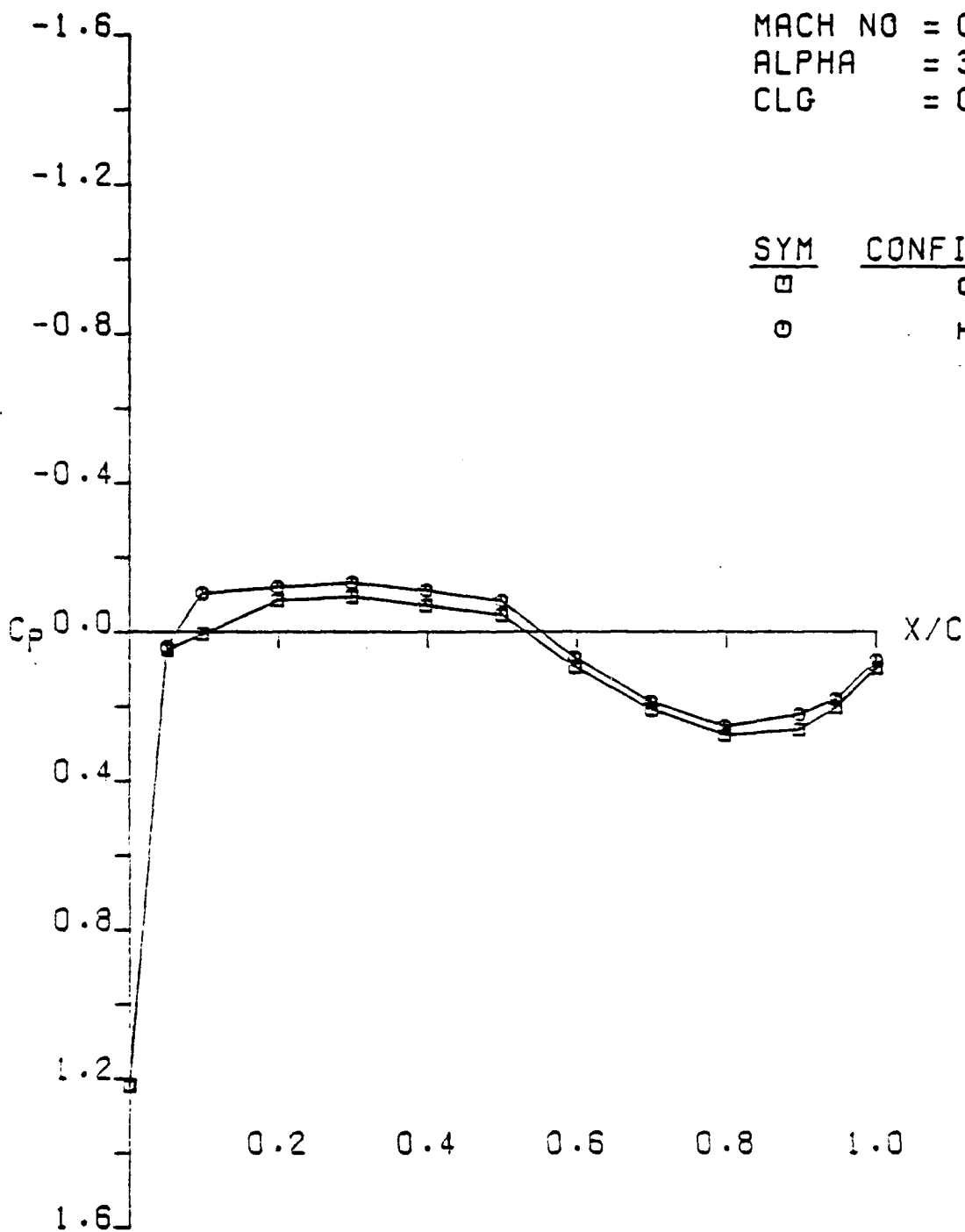
LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
CLN VS HIGH (LWR SURF ETA.216)
AFOSR SEMISPAN MODEL B



LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
CLN VS HIGH (LWR SURF ETA.4)
AFOSR SEMISPAN MODEL 8



LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS HIGH (LWR SURF ETA.60)
 AFOSR SEMISPAN MODEL B



LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS HIGH (LWR SURF ETA.8)
 AFOSR SEMISPAN MODEL B

AD-A085 259

LOCKHEED-GEORGIA CO MARIETTA
ACQUISITION AND APPLICATION OF TRANSONIC WING AND FAR-FIELD
MAR 80 B L HINSON, K P BURDGES
L680ER0012-VOL-2

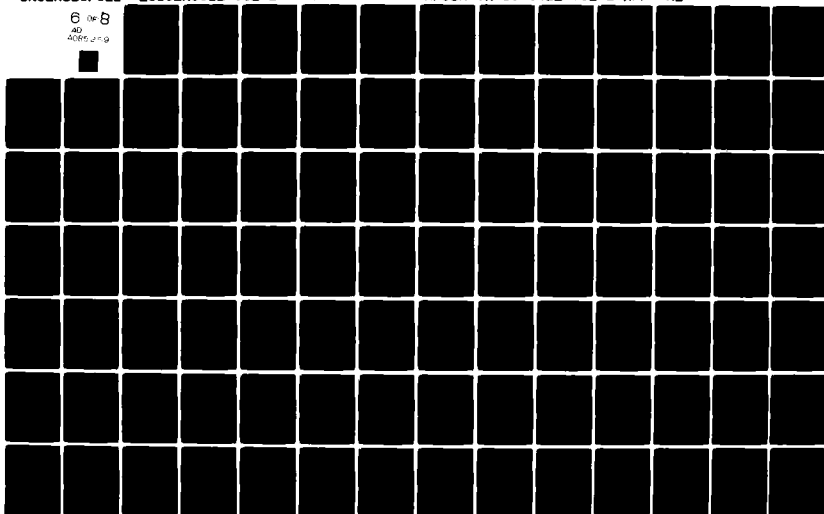
F/G 20/4
TES--ETC(U)

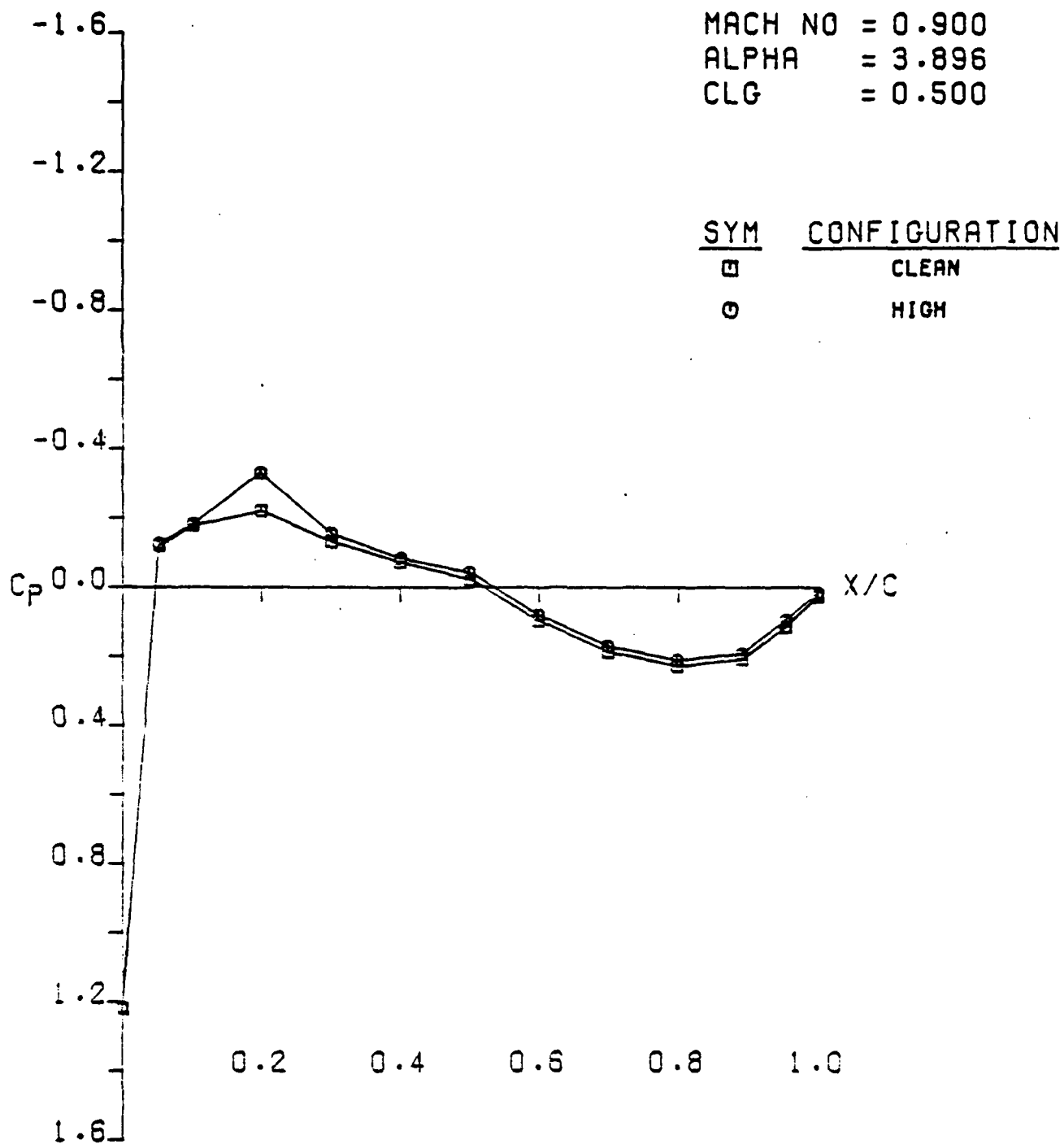
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AFOSR-TR-80-0422-VOL-2-APP NL

UNCLASSIFIED

6 OF 8
AD
A085 259

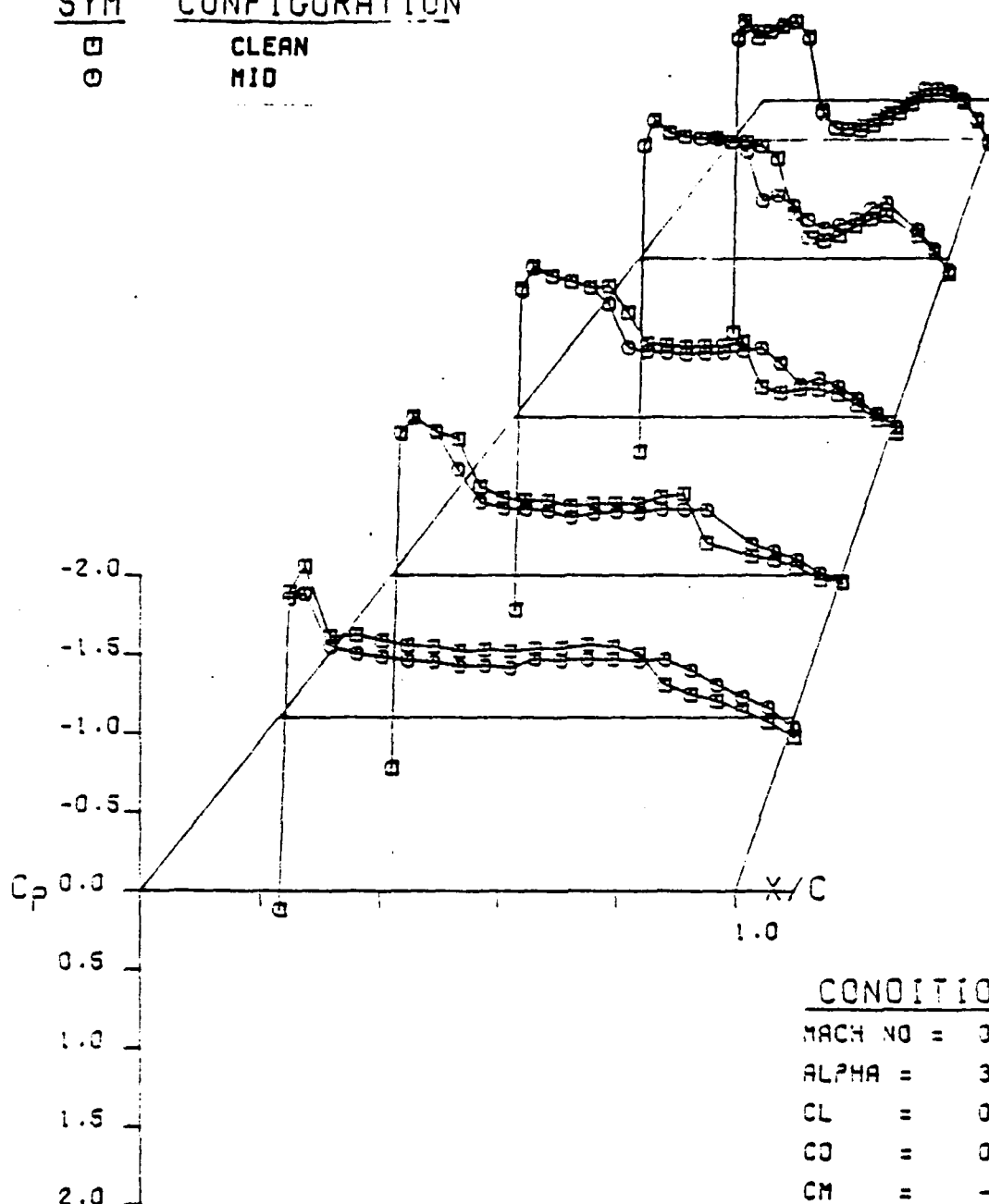




LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
CLN VS HIGH (LWR SURF ETA.95)
AFOSR SEMISPAN MODEL B

SYM CONFIGURATION

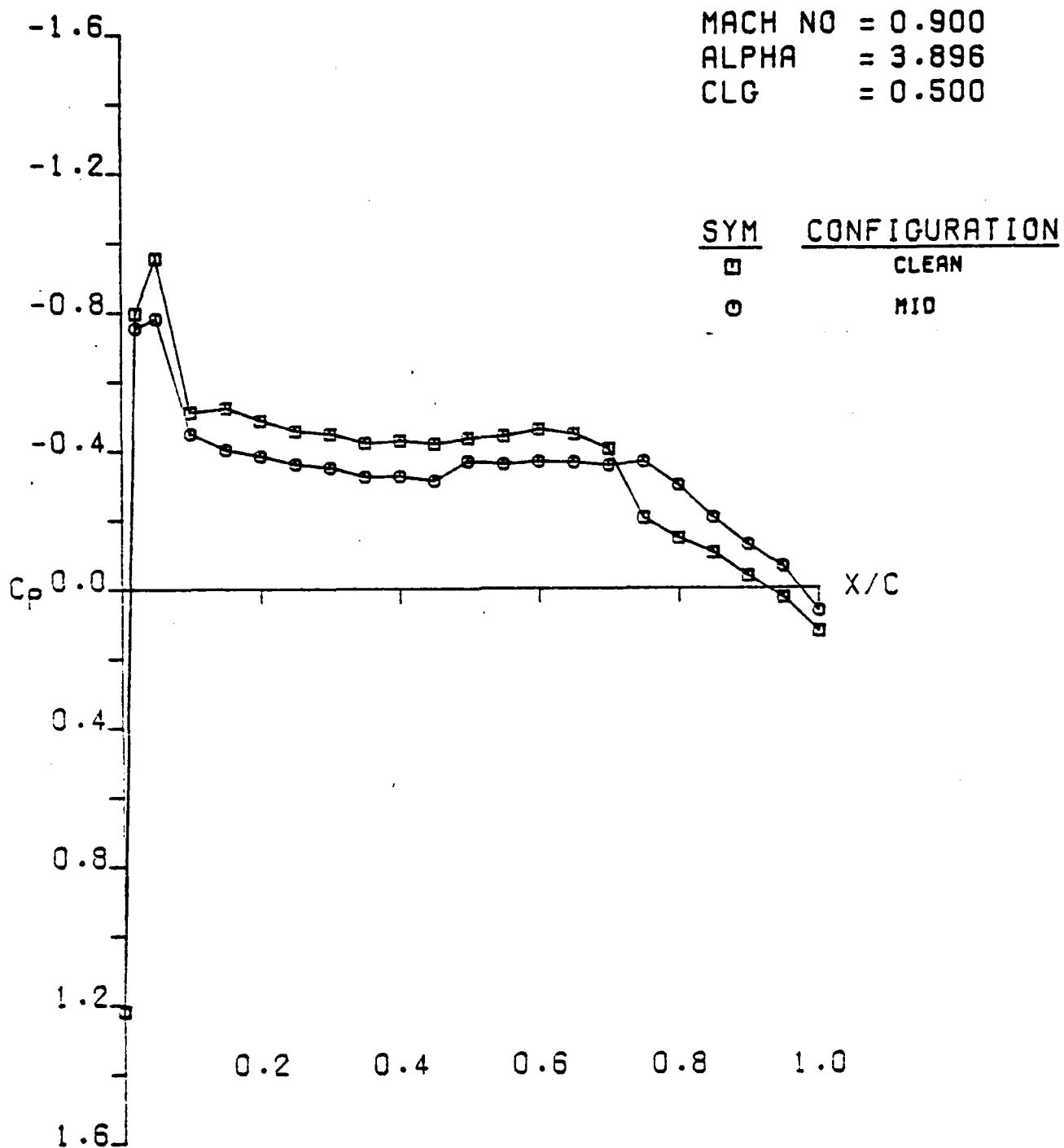
□ CLEAN
○ MID



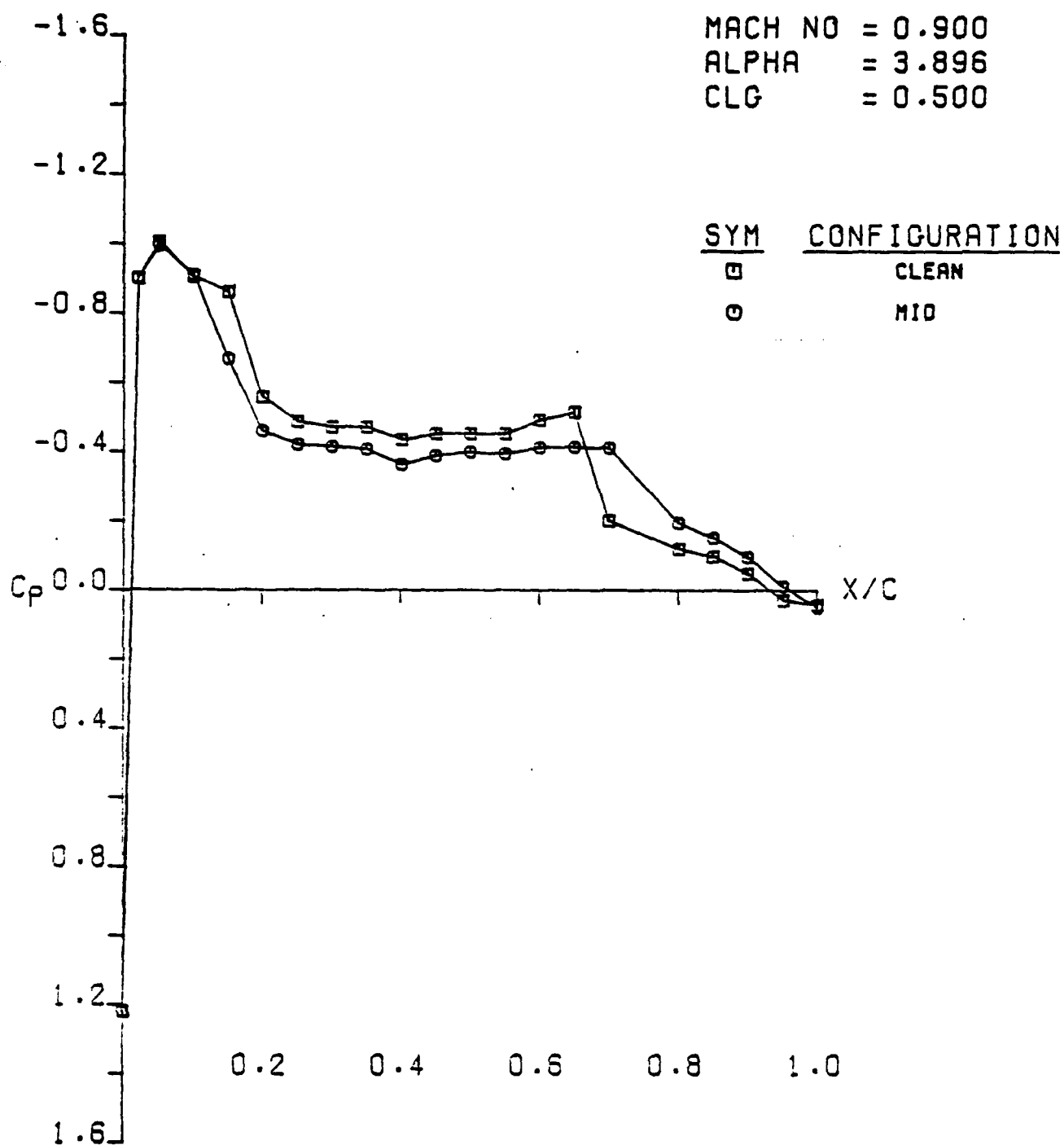
CONDITIONS

MACH NO = 3.300
ALPHA = 3.896
CL = 0.500
CD = 0.038
CM = -0.084
CLG = 0.500

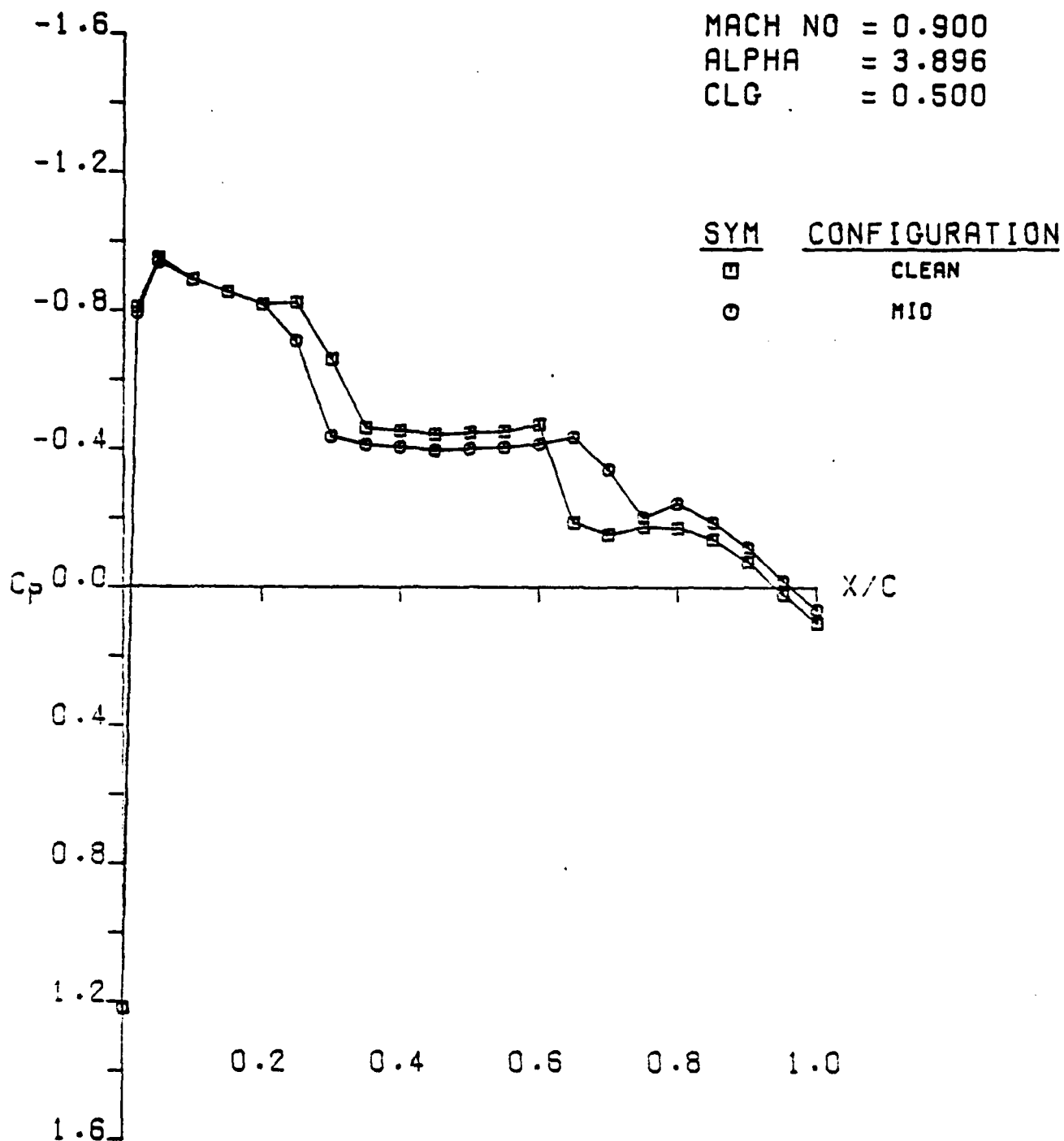
LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
CLN VS MID (UPR SURF)
AFOSR SEMISPAN MODEL 8



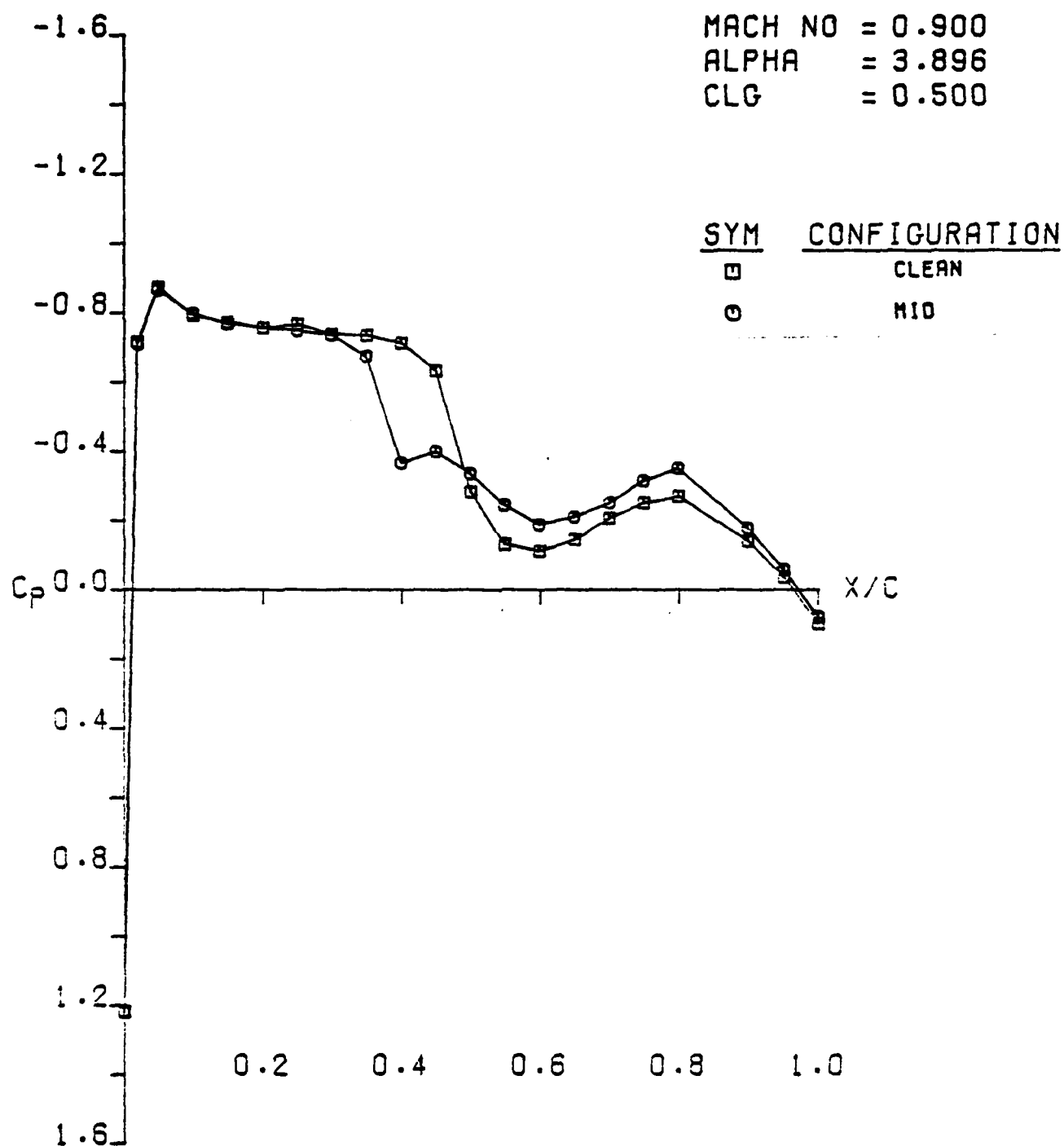
LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
CLN VS MID (UPR SURF ETA.216)
AFOSR SEMISPAN MODEL B



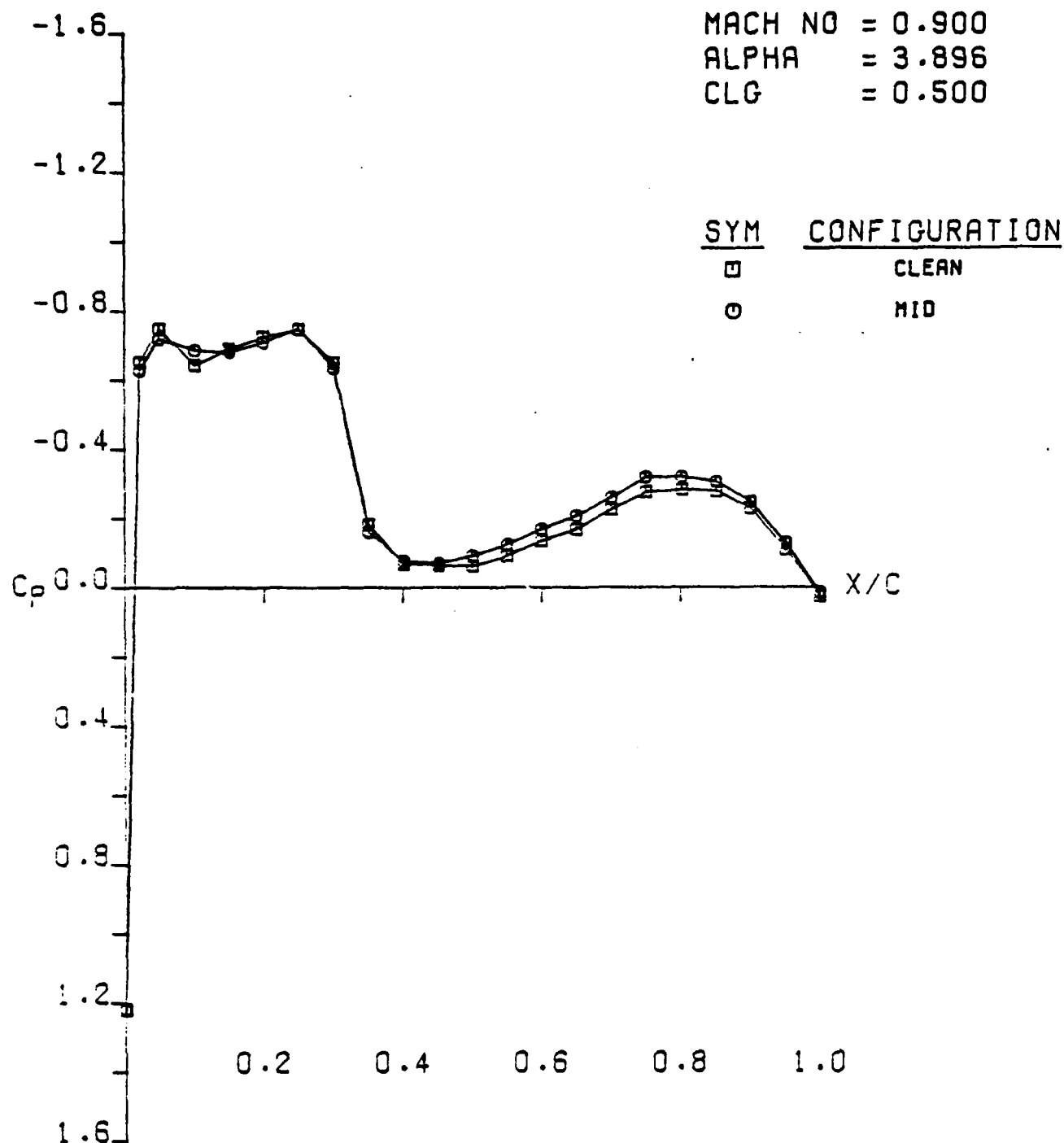
LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS MID (UPR SURF ETA .40)
 AFCSR SEMISPAN MODEL 8



LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS MID (UPR SURF ETA .60)
 AFOSR SEMISPAN MODEL 3



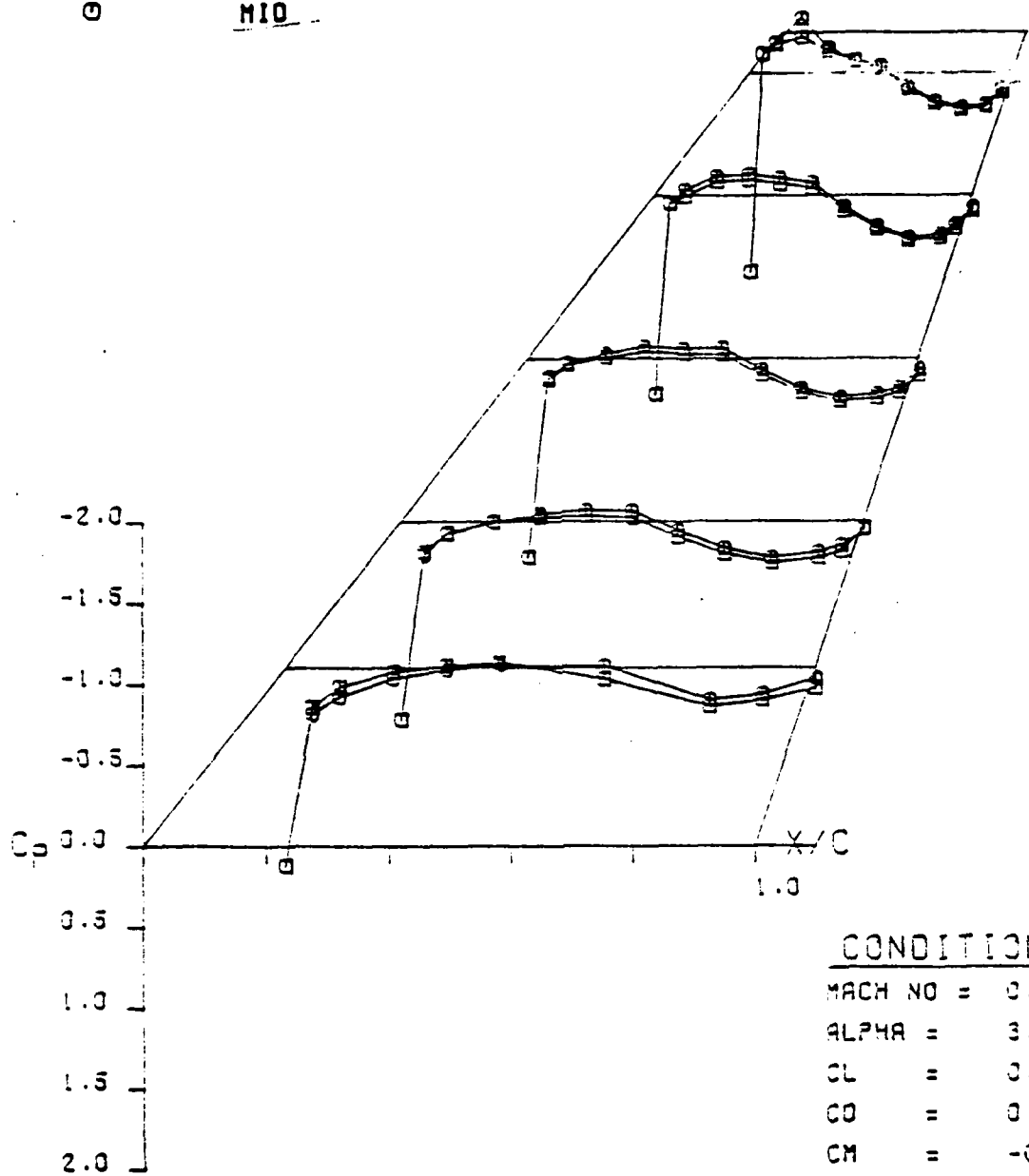
LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
CLN VS MID (UPR SURF ETA .8)
AFOSR SEMISPAN MODEL B



LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
CLN VS MID (UPR SURF ETA .95)
AFOSR SEMISPAN MODEL B

SYM CONFIGURATION

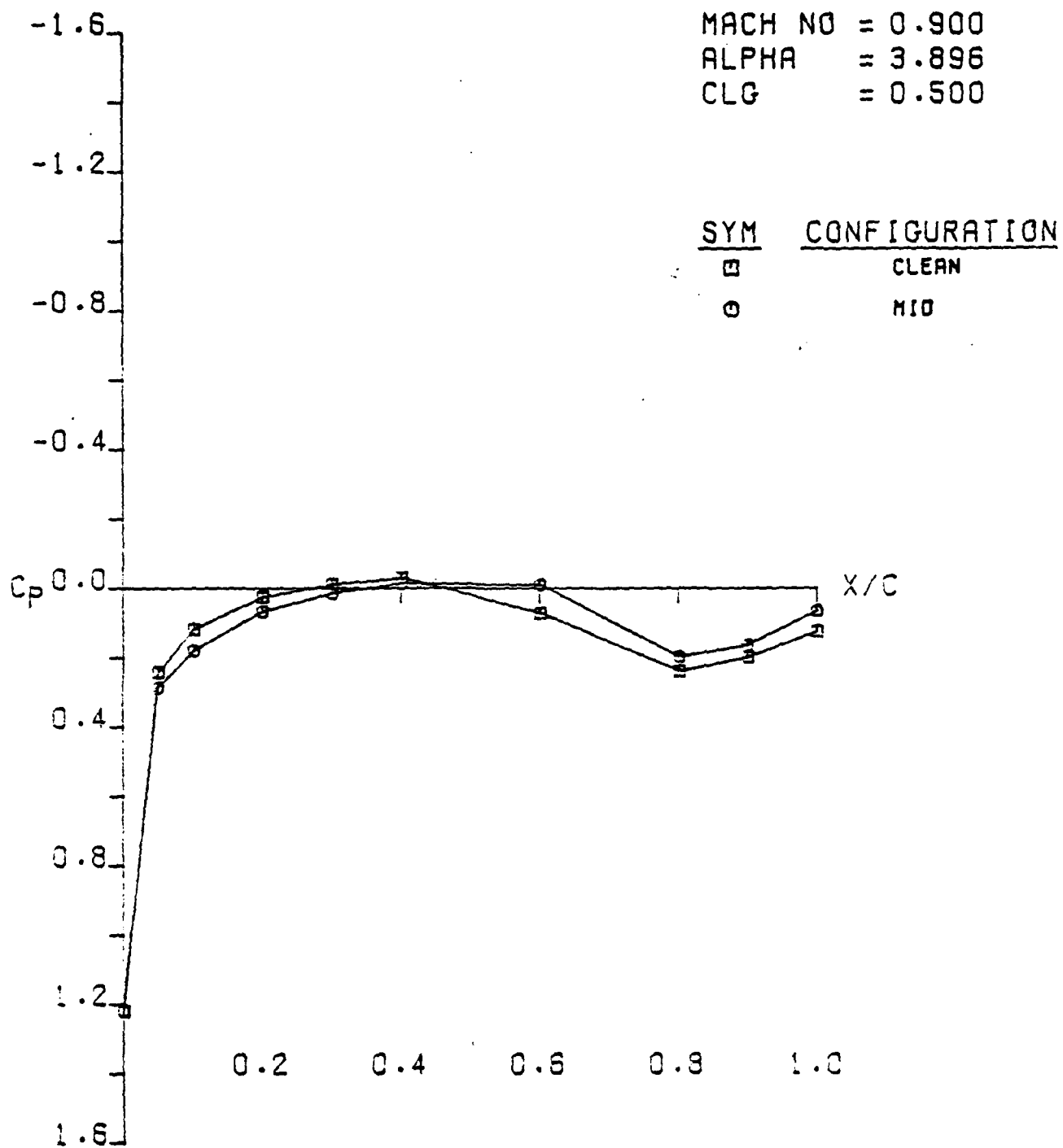
□ CLEAN
○ MID



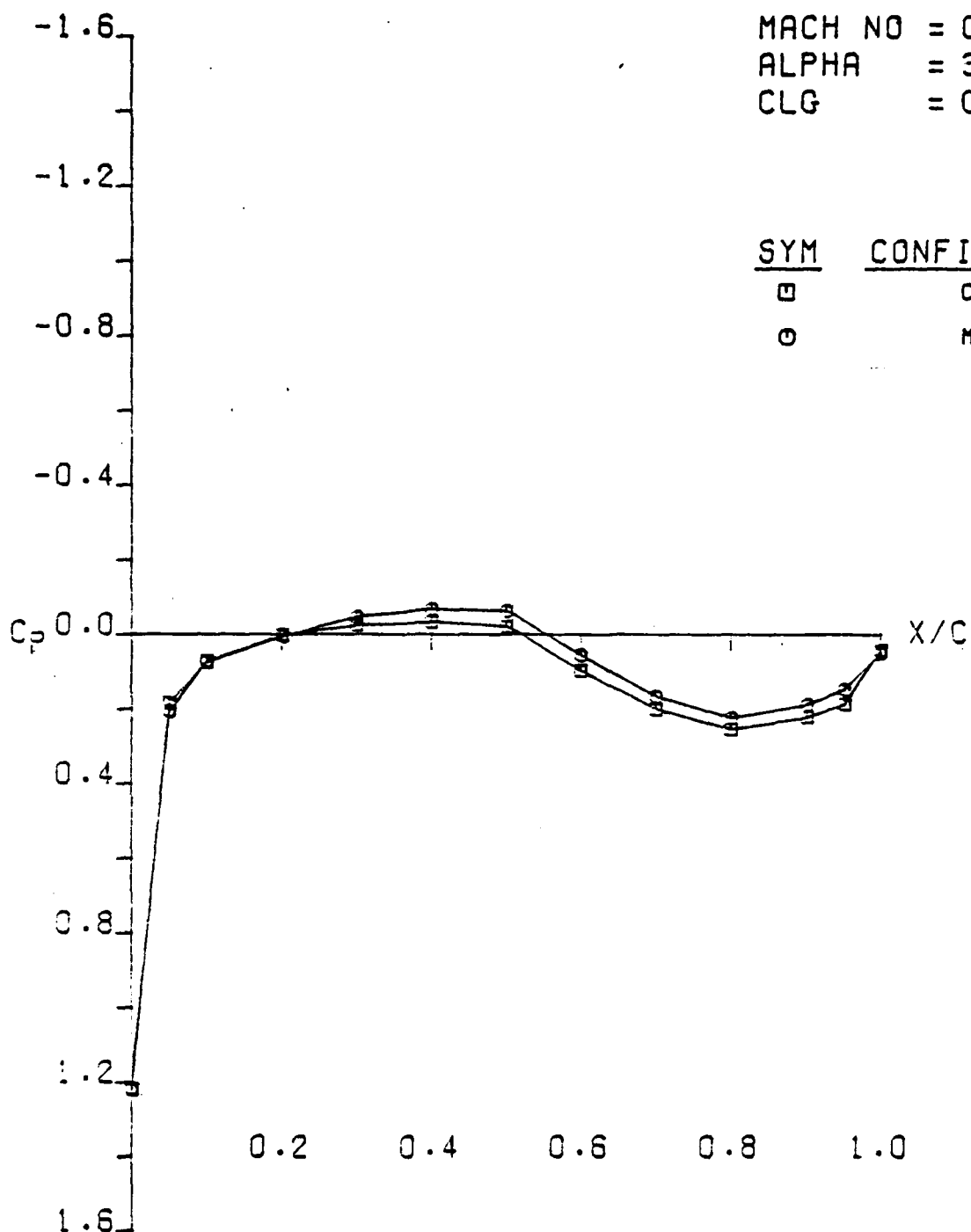
CONDITIONS

MACH NO = 0.300
ALPHA = 3.396
CL = 0.500
CO = 0.038
CM = -0.084
CLG = 0.500

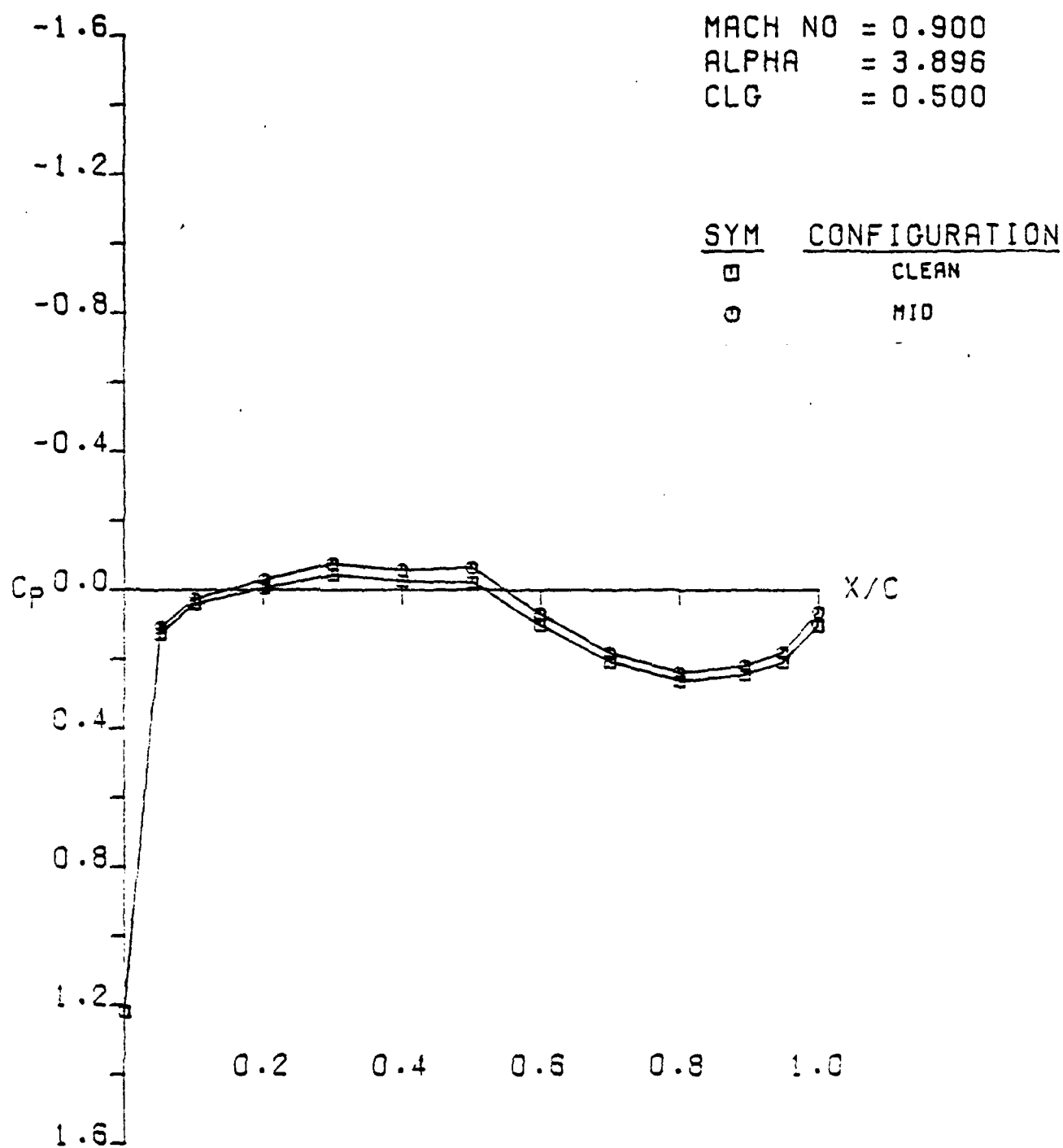
LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
CLN VS MID (LWR SURF)
AFOSR SEMISPAN MODEL B



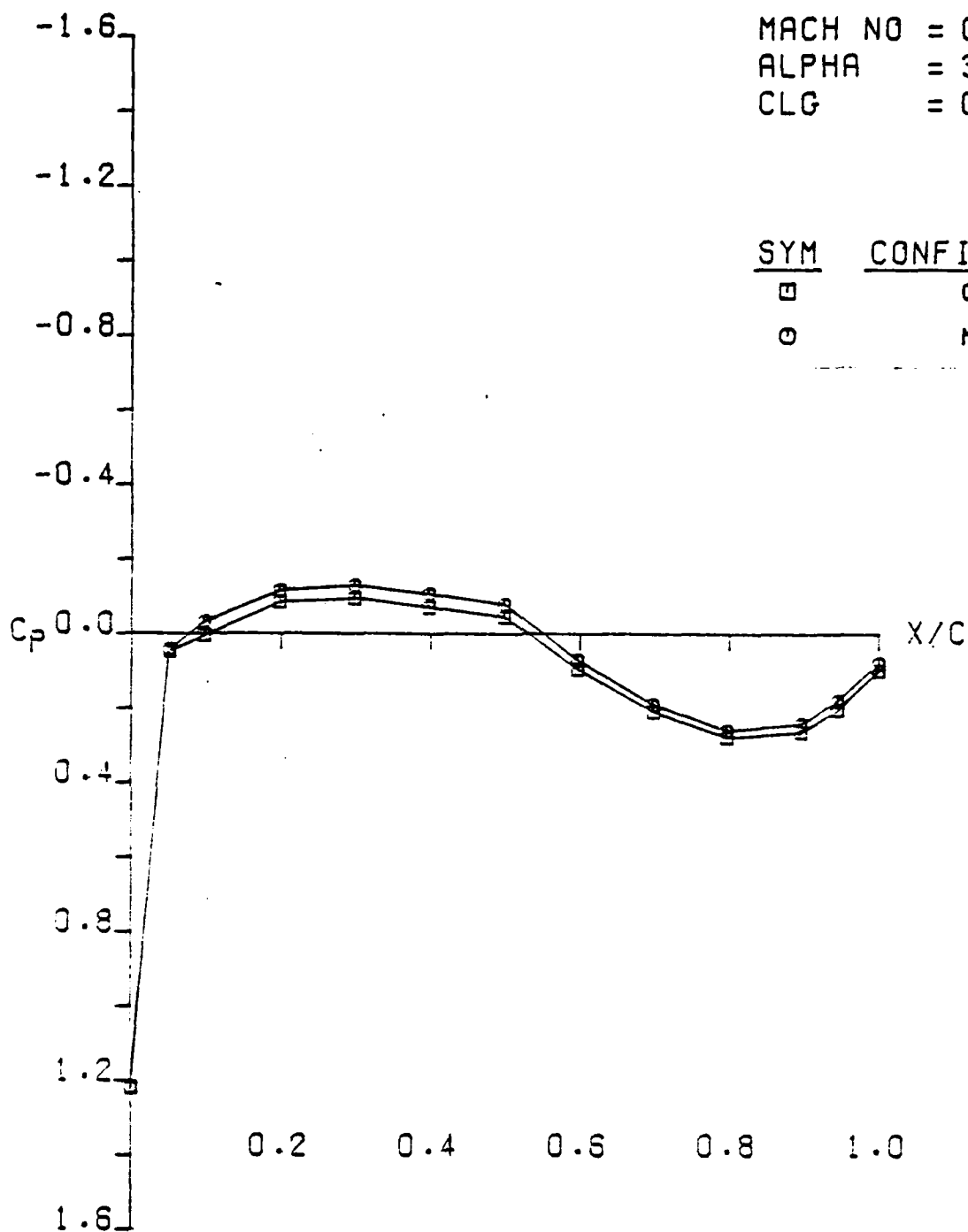
LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
CLN VS MID (LWR SURF ETA.216)
AFOSR SEMISPAN MODEL B



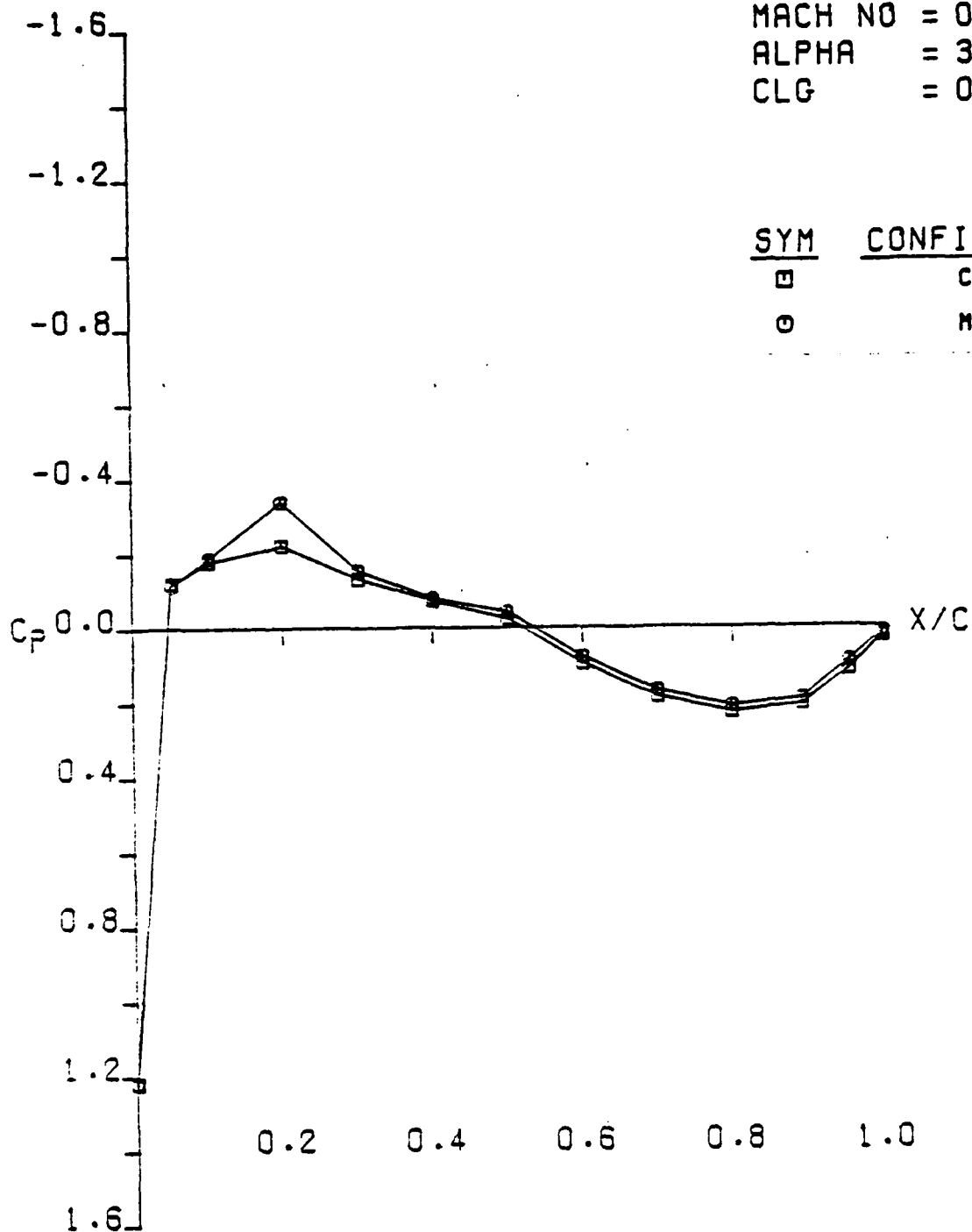
LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS MID (LWR SURF ETA.4)
 AFOSR SEMISPAN MODEL B



LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
CLN VS MID (LWR SURF ETA.60)
AFOSR SEMISPAN MODEL B



LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS MID (LWR SURF ETA.8)
 AFOSR SEMISPAN MODEL 3

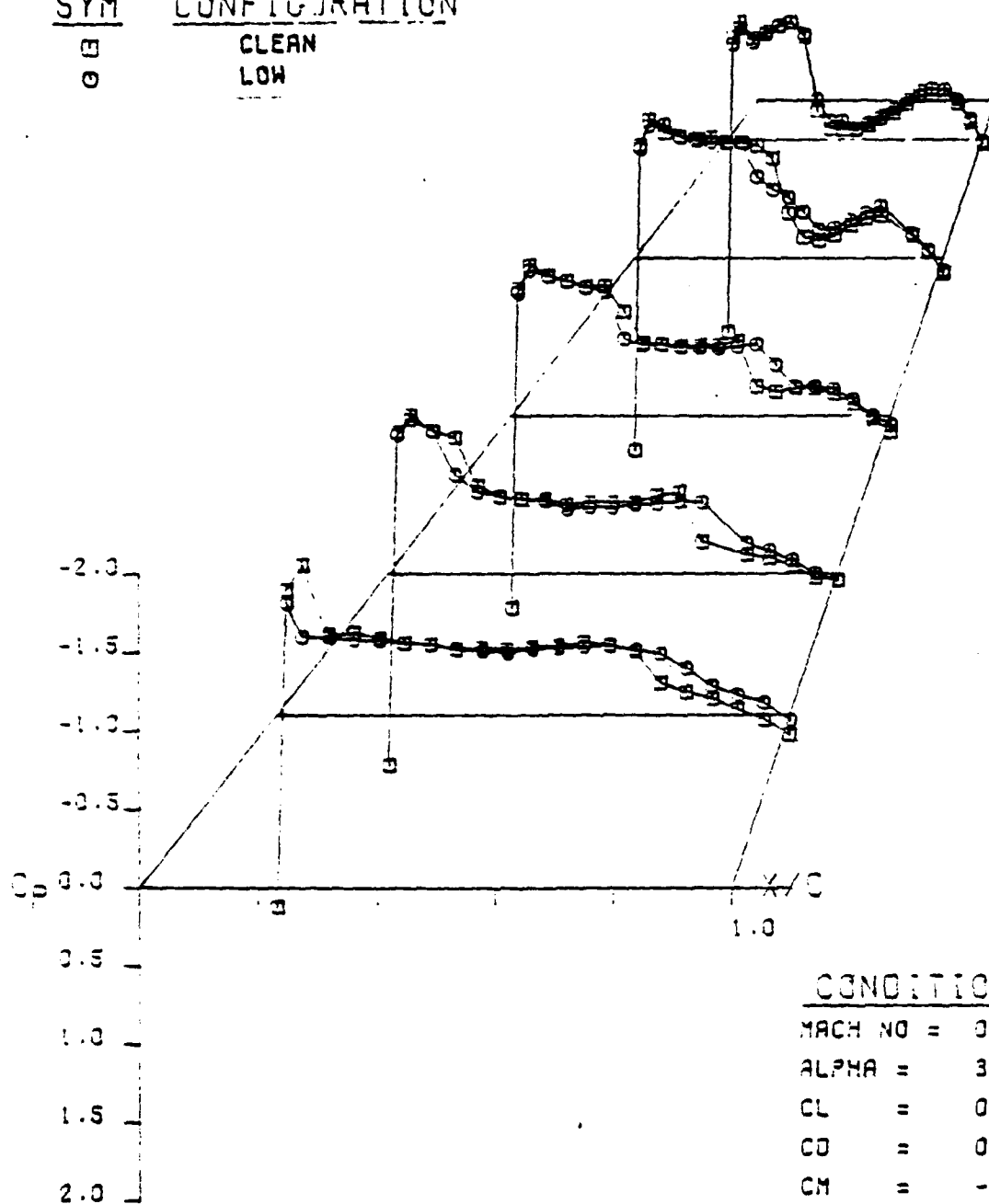


LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS MID (LWR SURF ETA.95)
 AFOSR SEMISPAN MODEL B

SYM CONFIGURATION

□
○

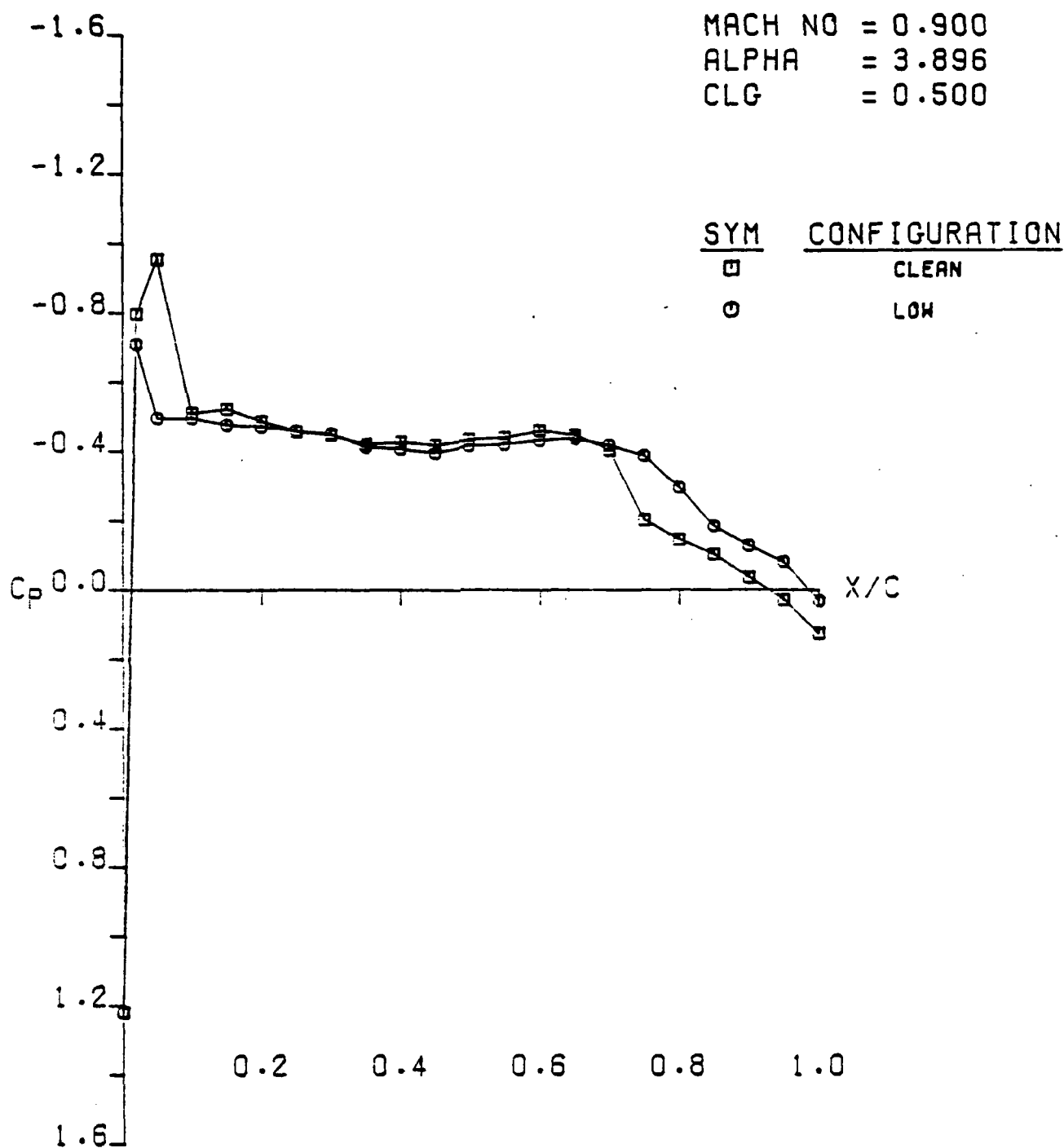
CLEAN
LOW



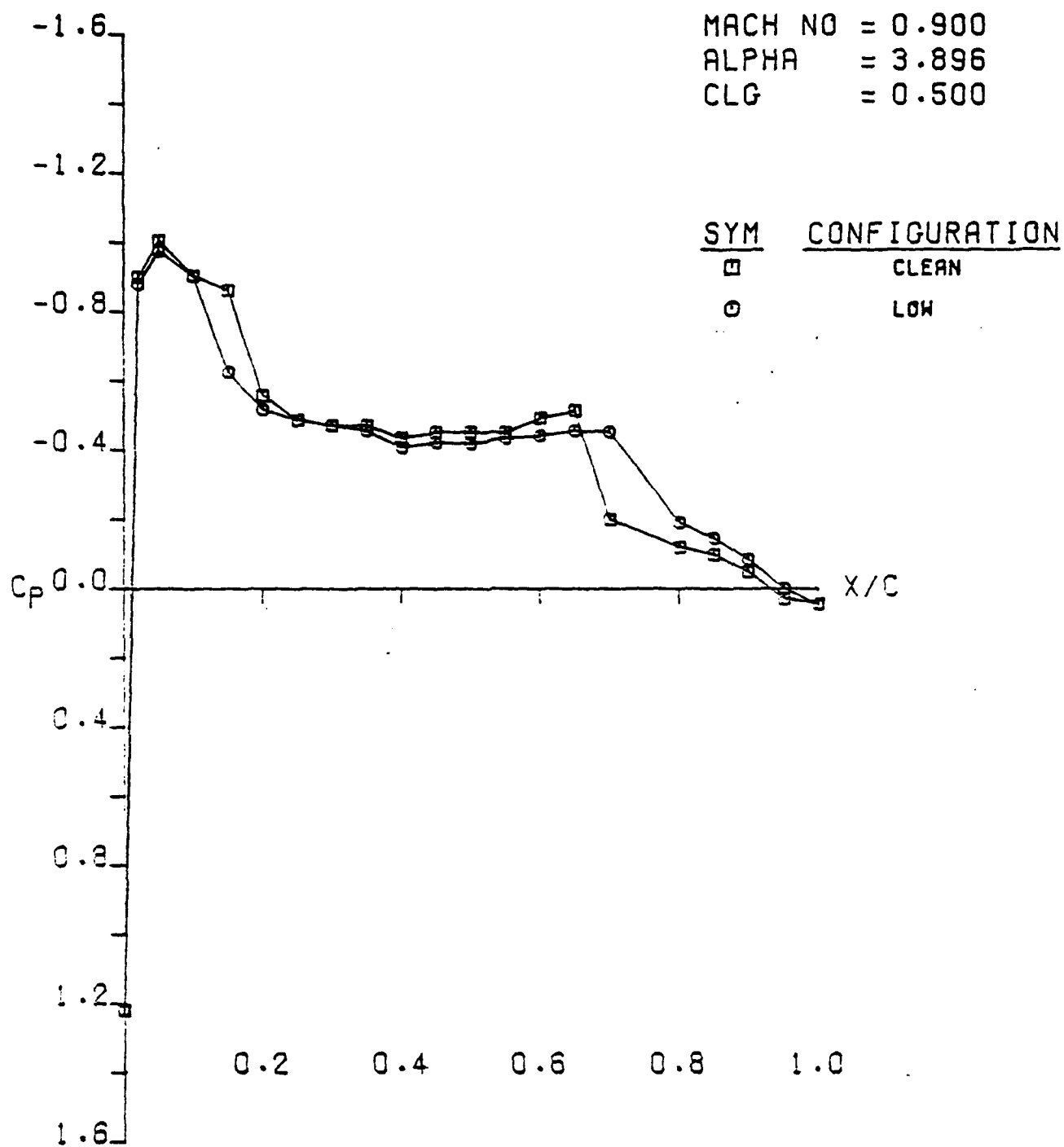
CONDITIONS

MACH NO = 0.900
ALPHA = 3.396
CL = 0.500
CD = 0.038
CM = -0.084
CLG = 0.500

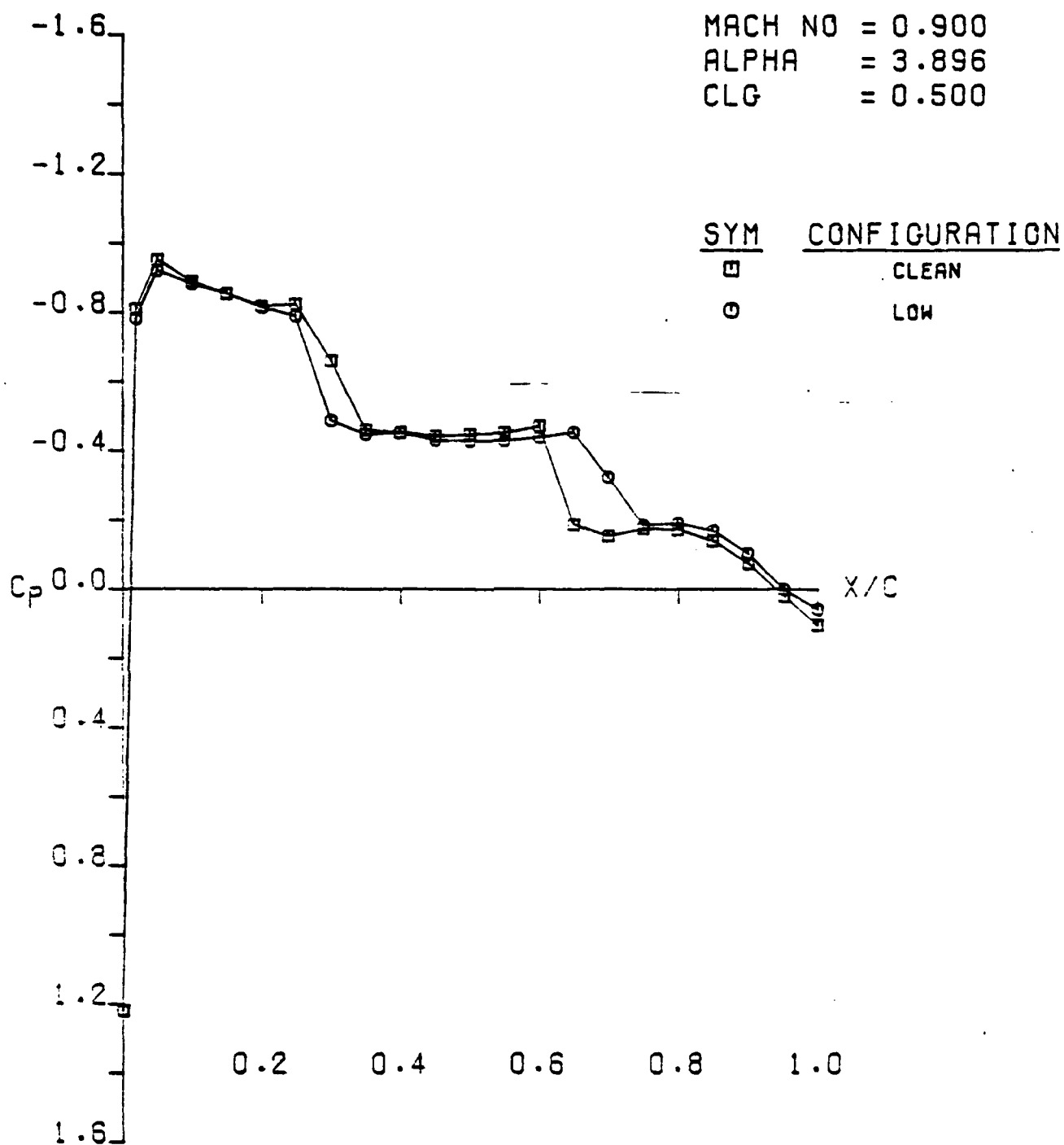
LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
CLN VS LOW (UPR SURF)
AFOSR SEMISPAN MODEL B



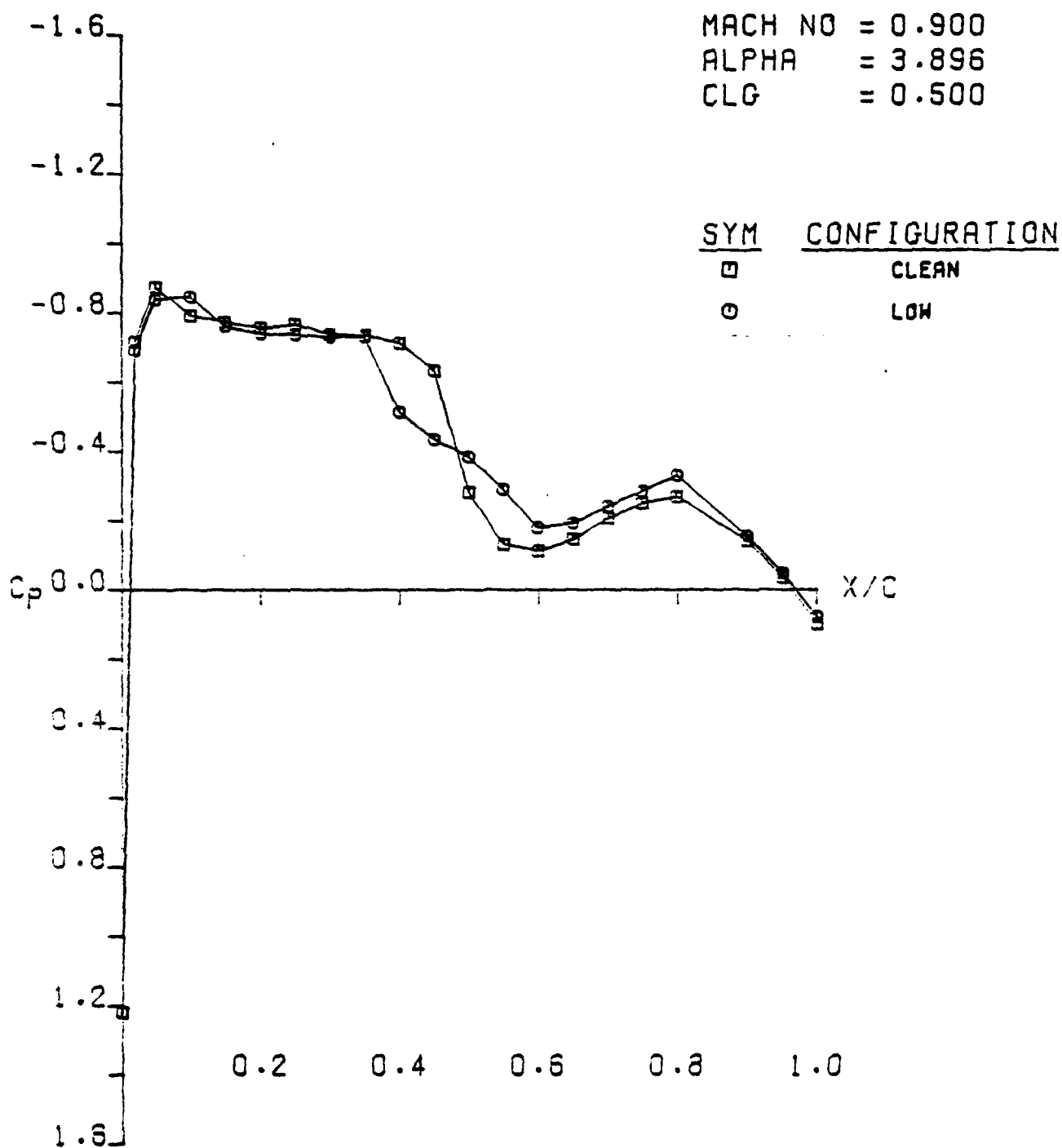
LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
CLN VS LOW (UPR SURF ETA.216)
AFOSR SEMISPAN MODEL B



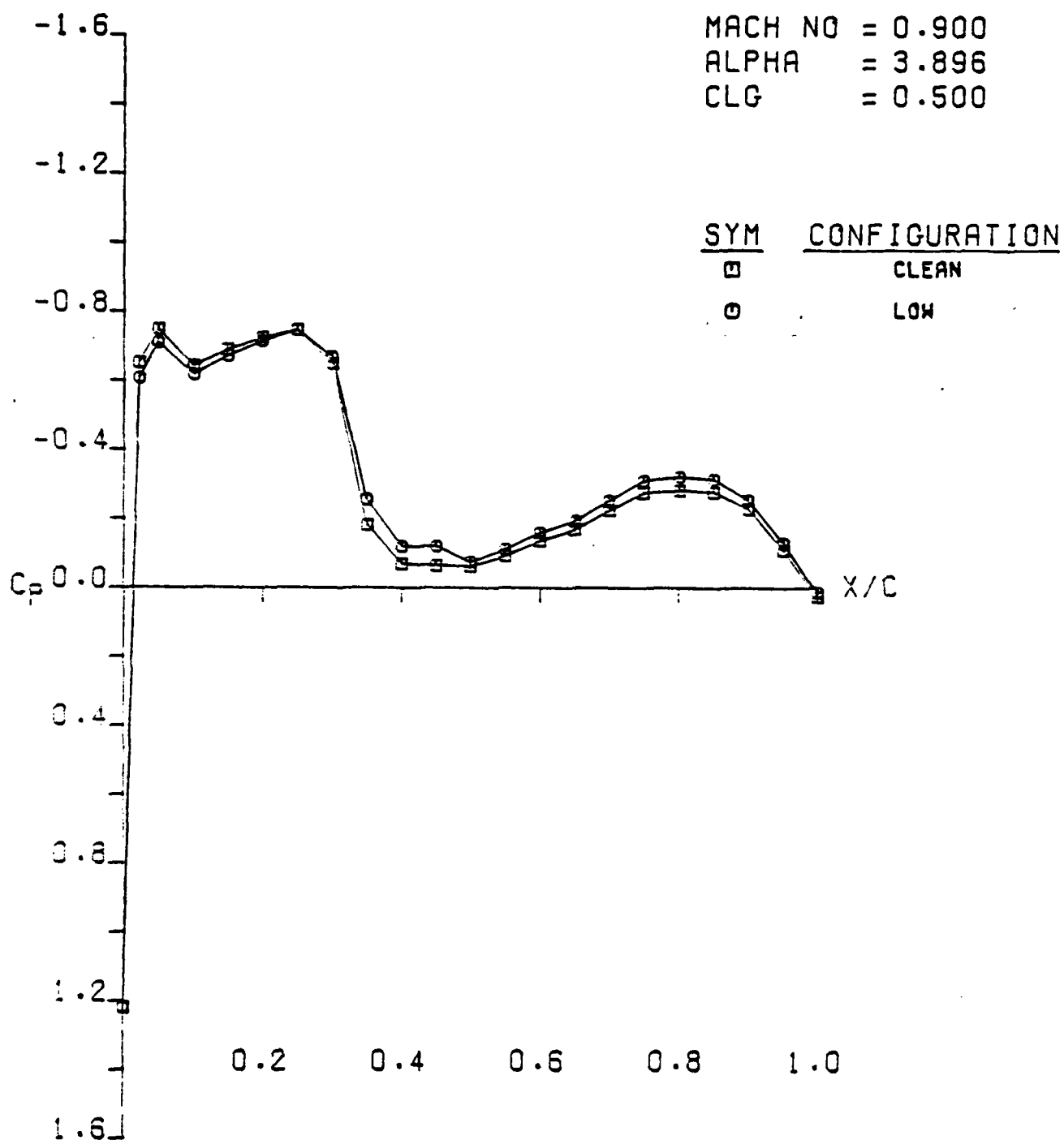
LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS LOW (UPR SURF ETA .40)
 AFOSR SEMISPAN MODEL B



LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS LOW (UPR SURF ETA .60)
 AFOSR SEMISPAN MODEL 3



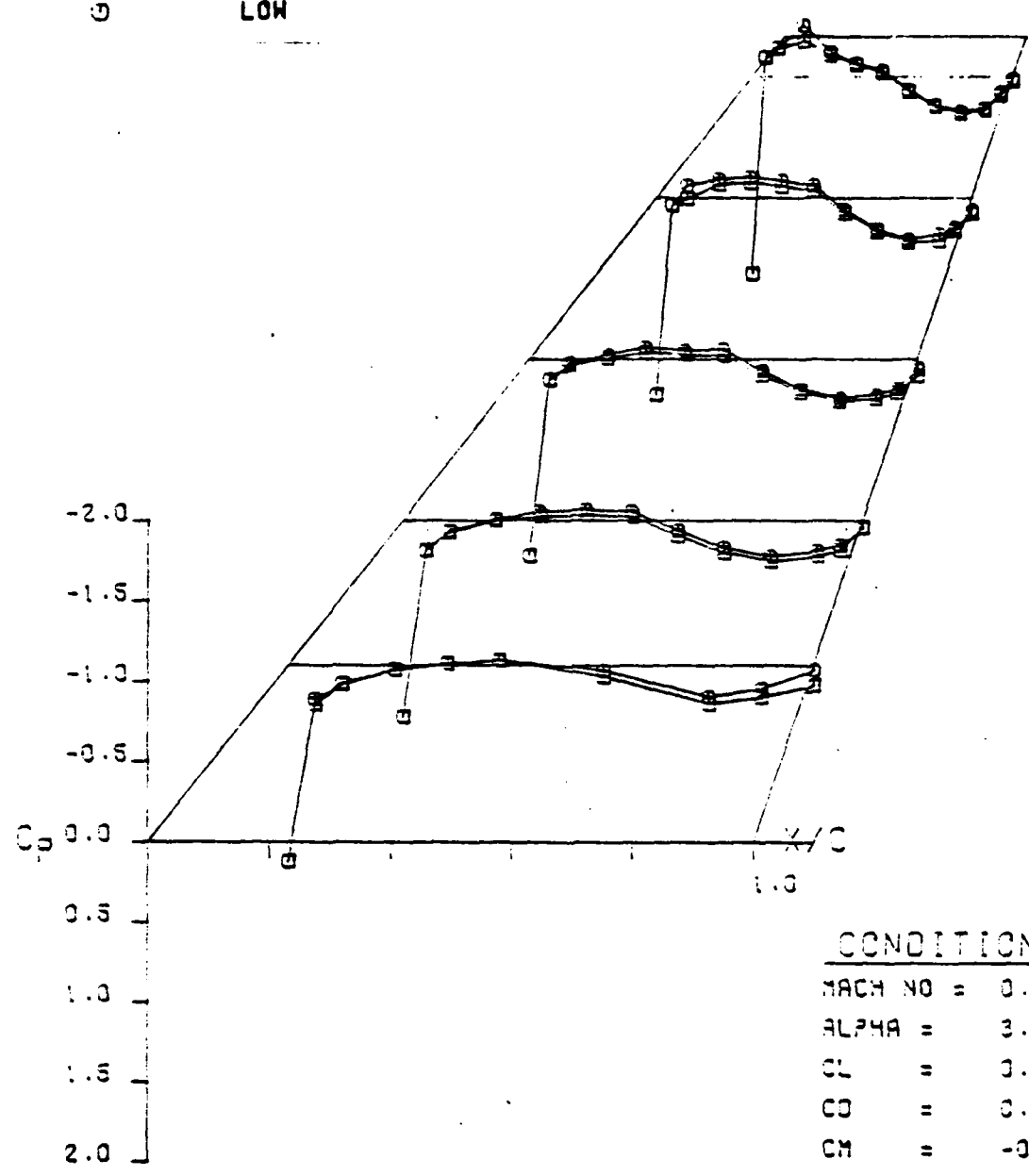
LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
CLN VS LOW (UPR SURF ETA .8)
AFOSR SEMISPAN MODEL B



LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS LOW (UPR SURF ETA .95)
 AFOSR SEMISPAN MODEL B

SYM CONFIGURATION

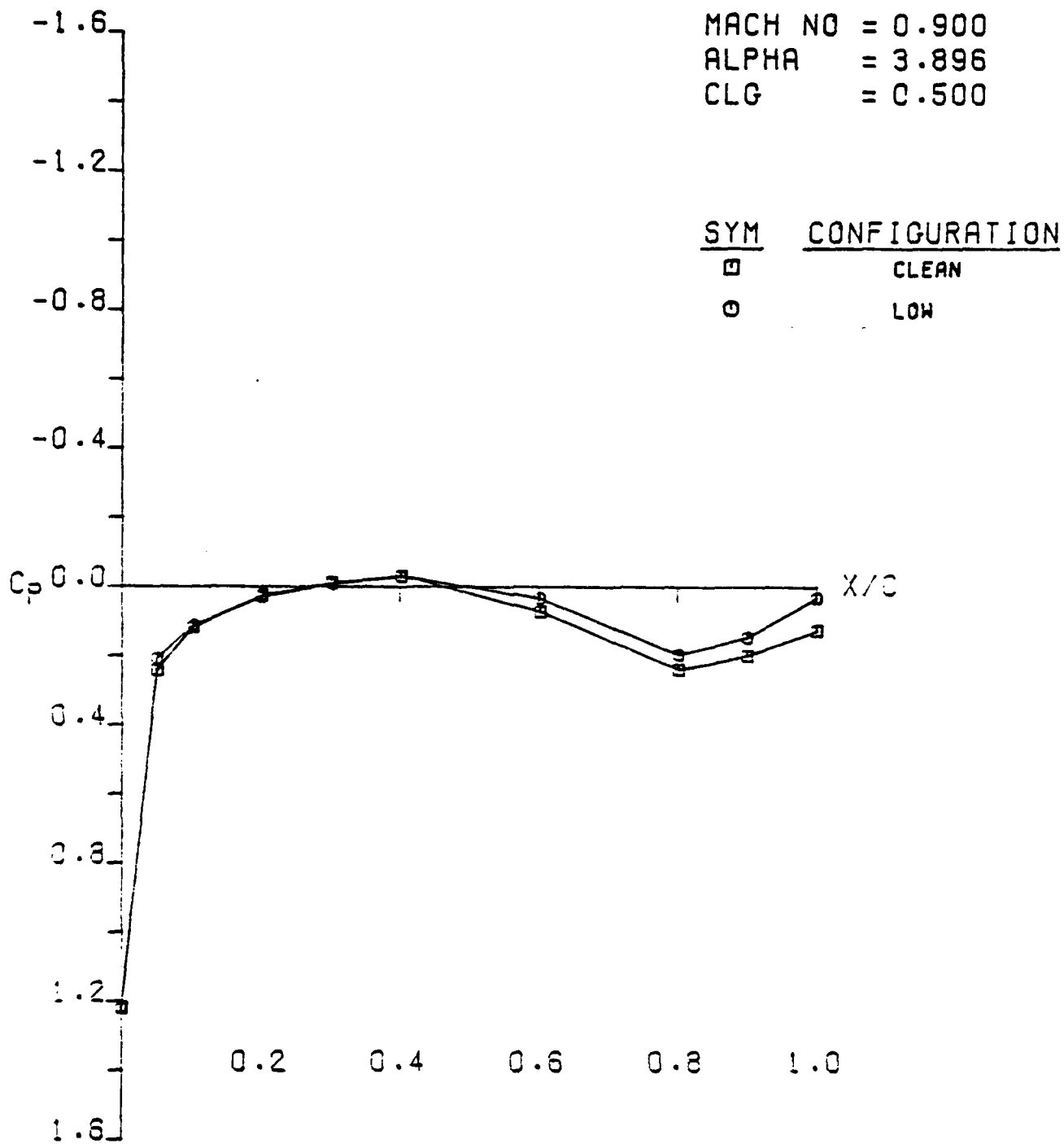
□ CLEAN
 ○ LOW



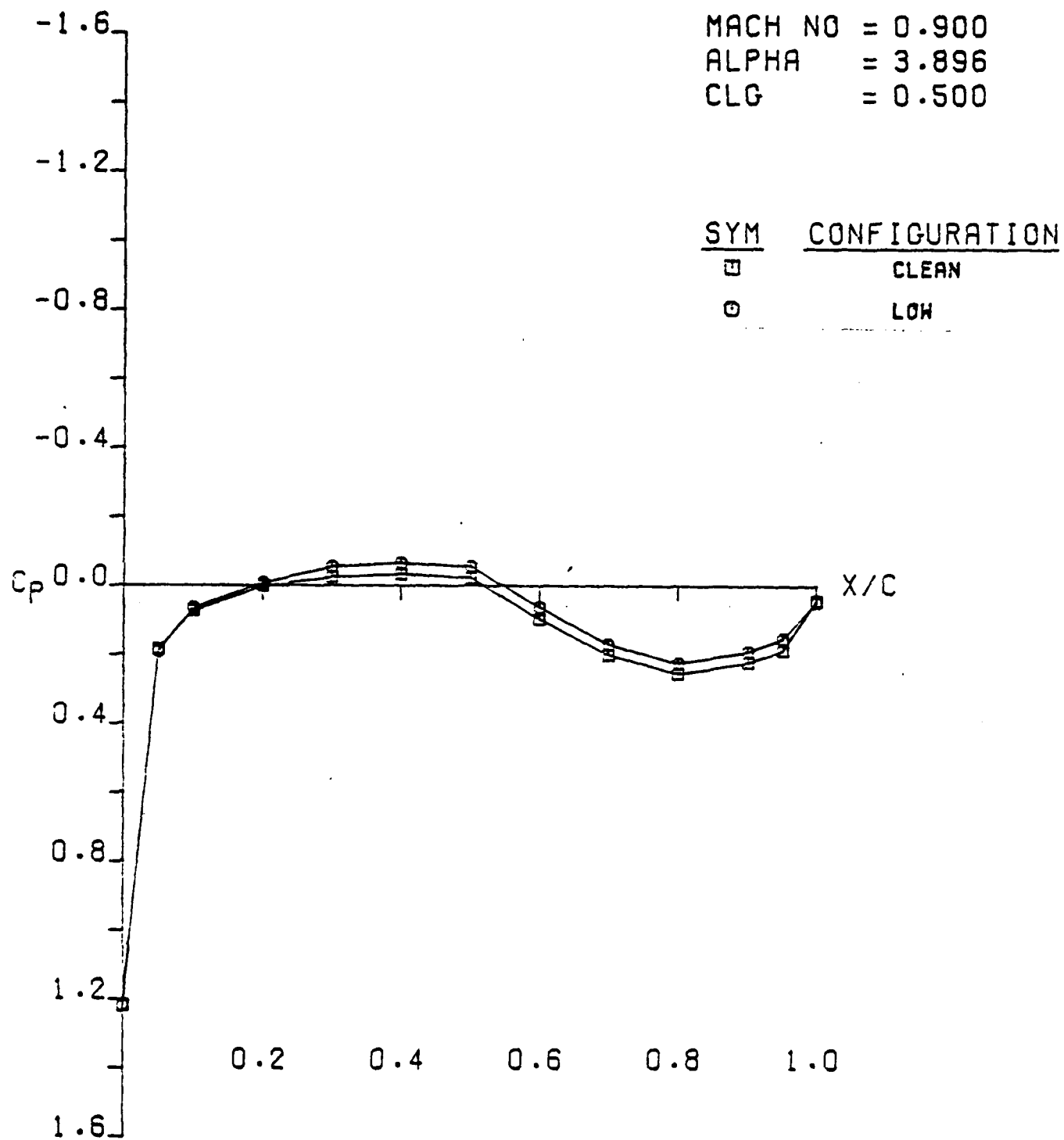
CONDITIONS

MACH NO = 0.300
 ALPHA = 3.396
 CL = 0.500
 CD = 0.038
 CM = -0.084
 CLG = 0.500

LOCKHEED CFWT SEMI-SPAN TEST. RUN 29
 CLN VS LOW (LWR SURF)
 AFOSR SEMISPAN MODEL 3



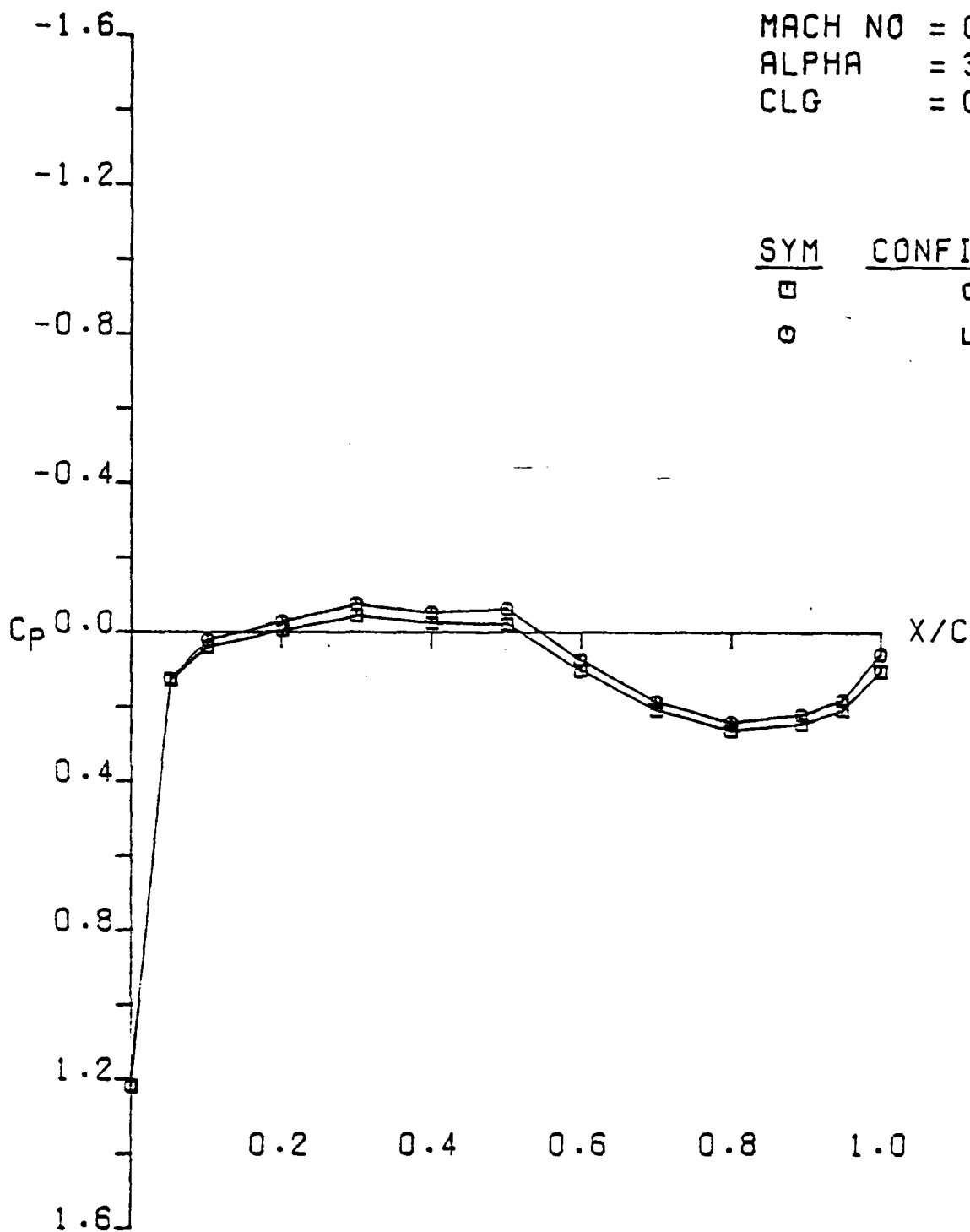
LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
CLN VS LOW (LWR SURF ETA.216)
AFOSR SEMISPAN MODEL B



LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
CLN VS LOW (LWR SURF ETA.4)
AFOSR SEMISPAN MODEL B

MACH NO = 0.900
ALPHA = 3.896
CLG = 0.500

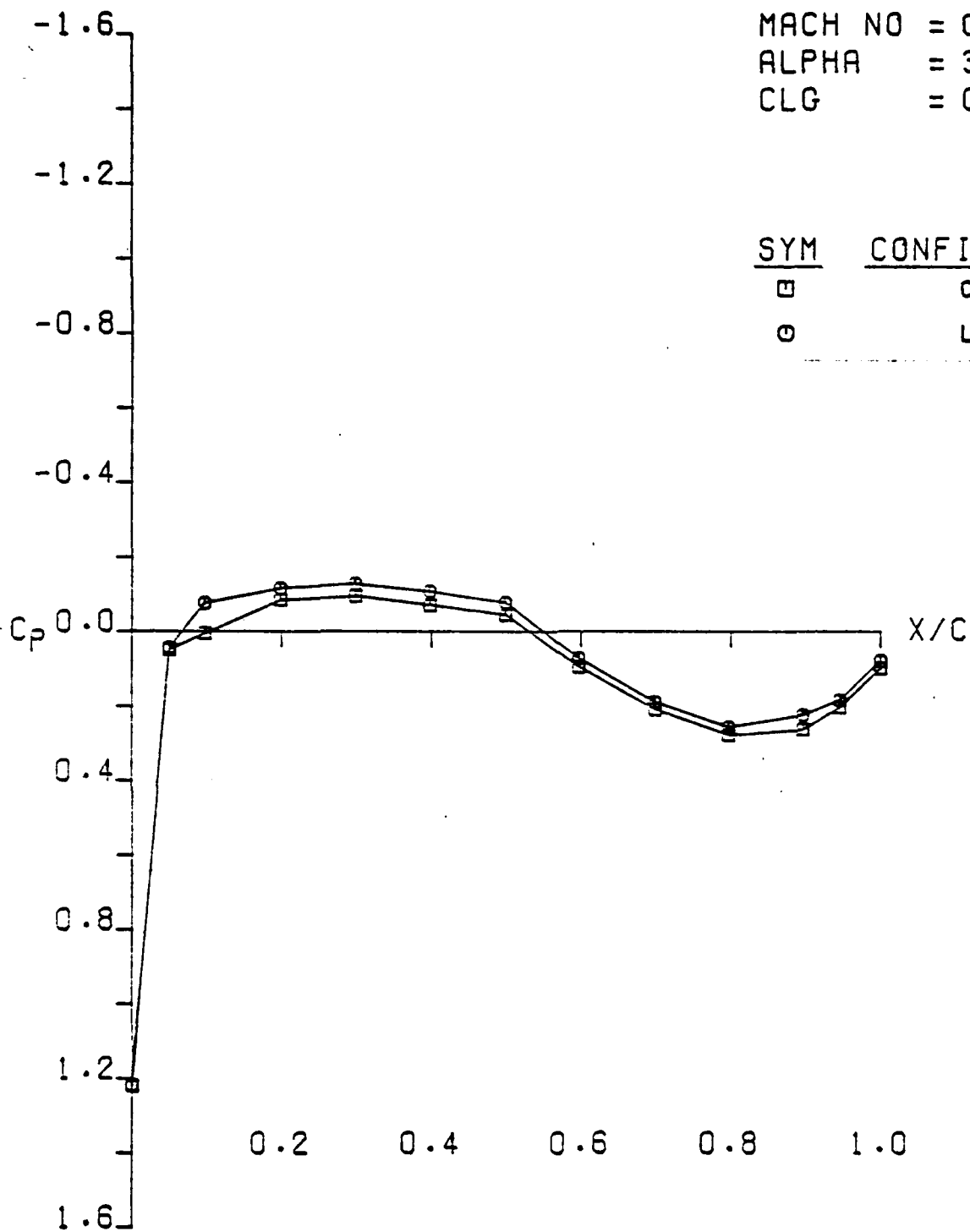
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	LOW



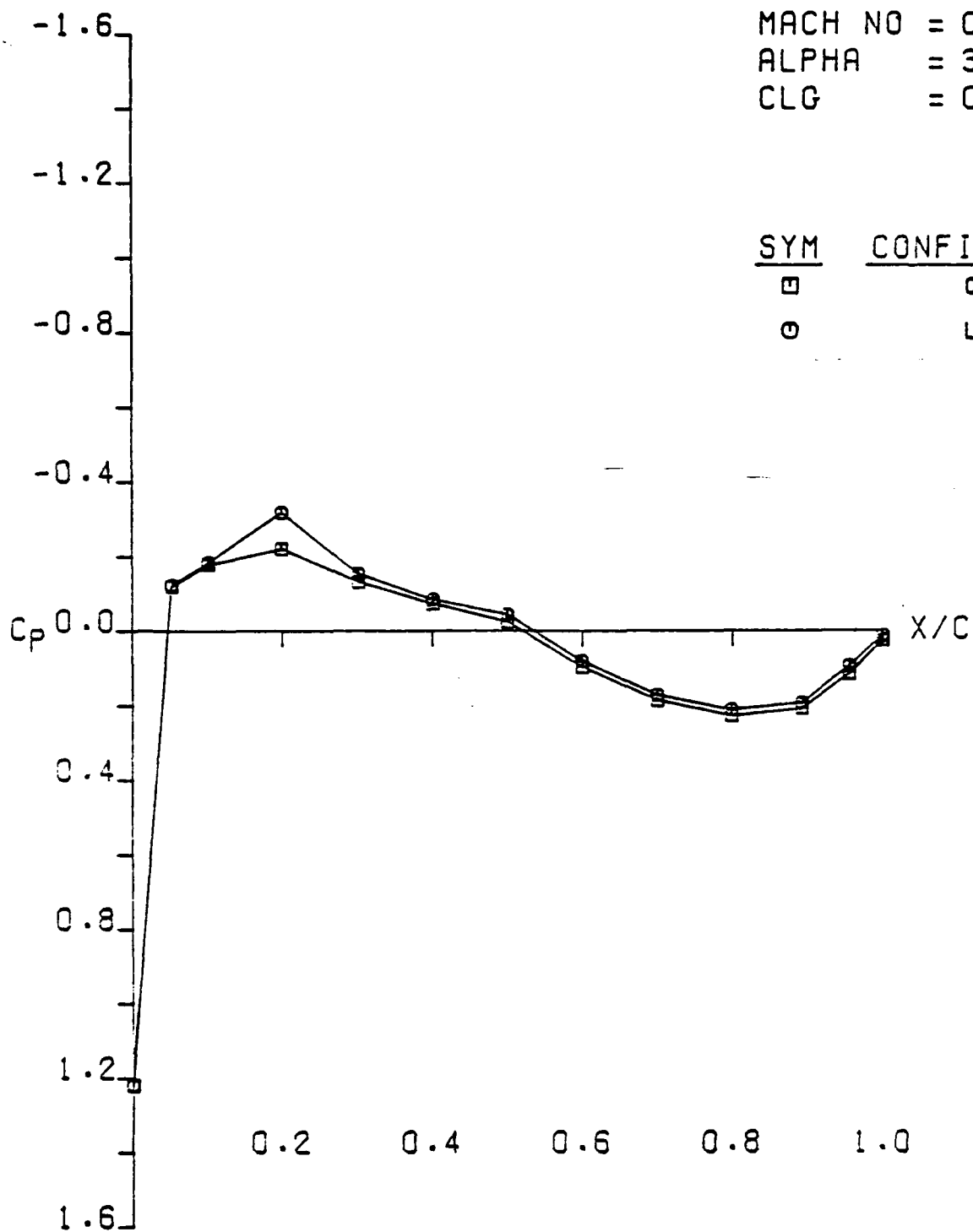
LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
CLN VS LOW (LWR SURF ETA.60)
AFOSR SEMISPAN MODEL 8

MACH NO = 0.900
ALPHA = 3.896
CLG = 0.500

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	LOW

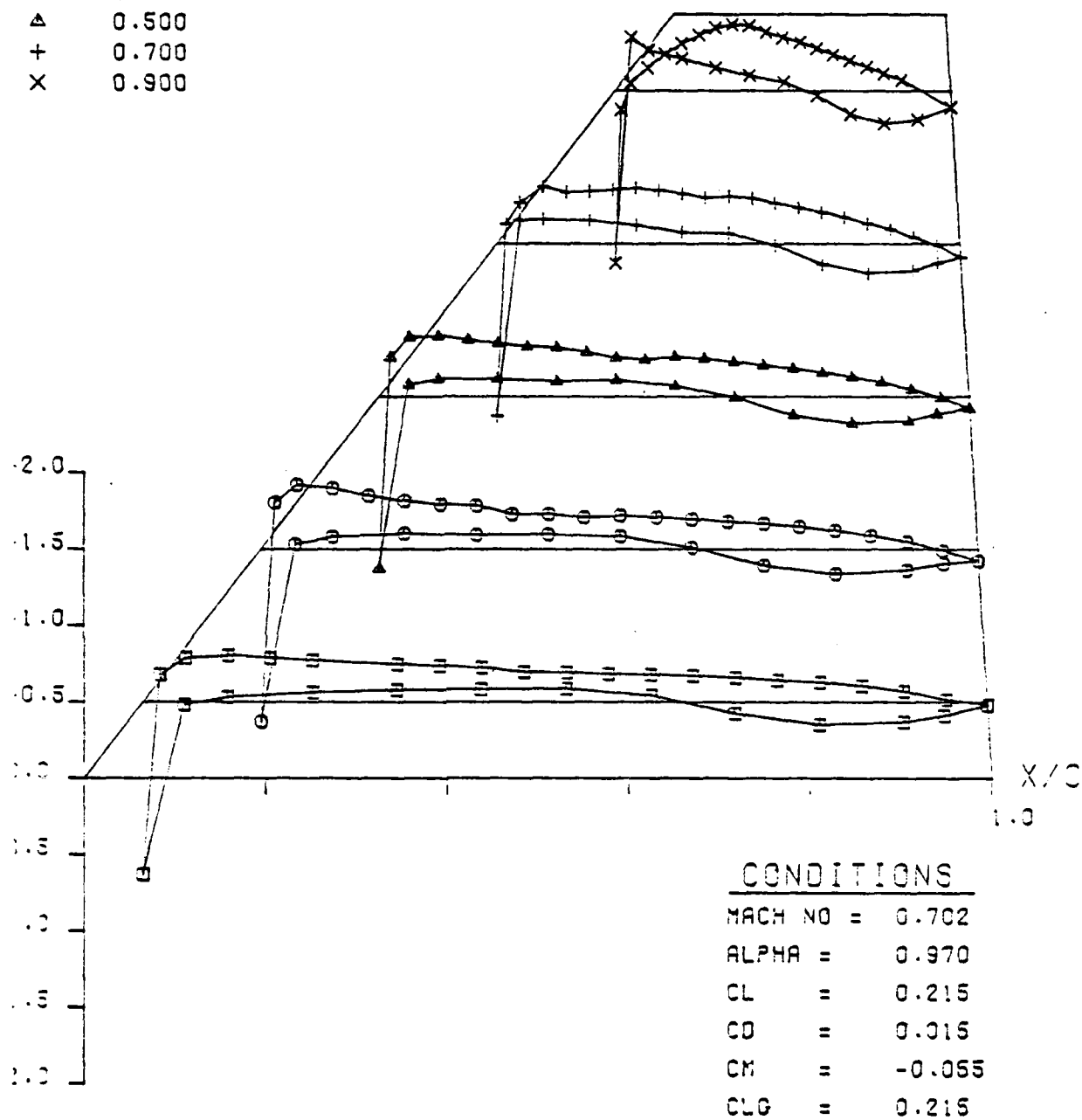


LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
CLN VS LOW (LWR SURF ETA.8)
AFOSR SEMISPAN MODEL B

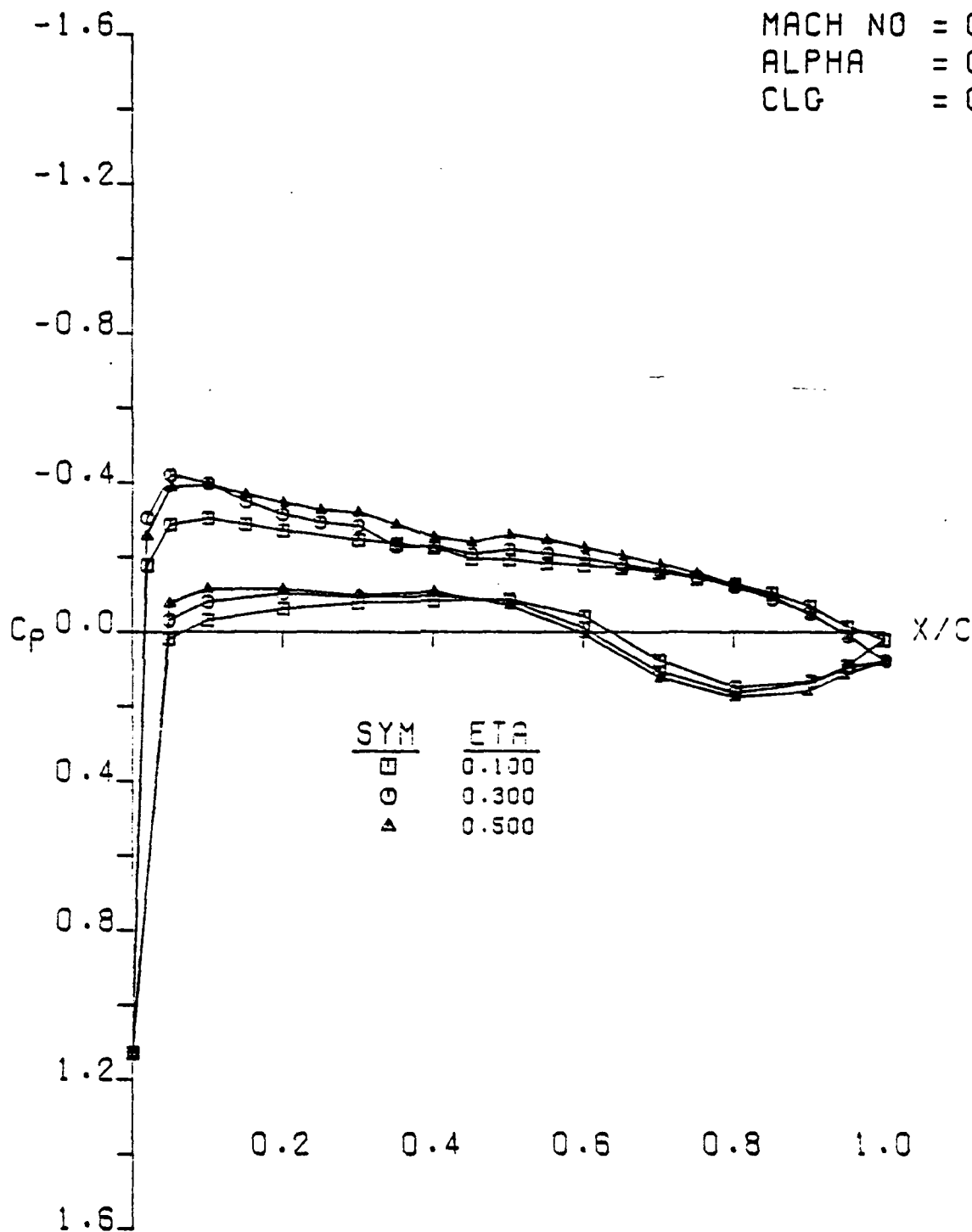


LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS LOW (LWR SURF ETA.95)
 AFOSR SEMISPAN MODEL B

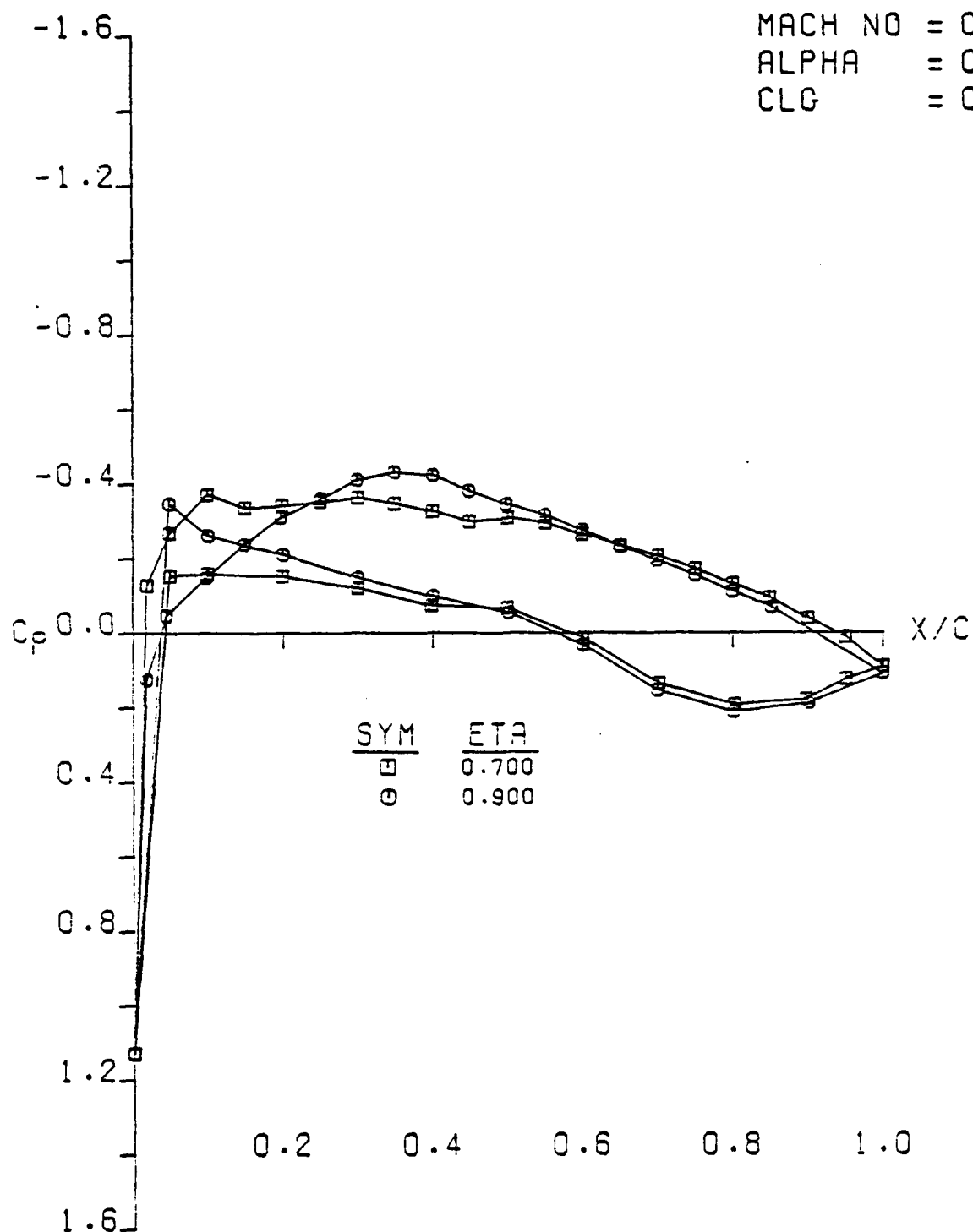
<u>YM</u>	<u>ETA</u>
□	0.100
○	0.300
△	0.500
+	0.700
x	0.900



LOCKHEED CFWT SEMI-SPAN TEST, RUN 12
 BASIC DATA
 NUMERICALLY OPTIMIZED WING C

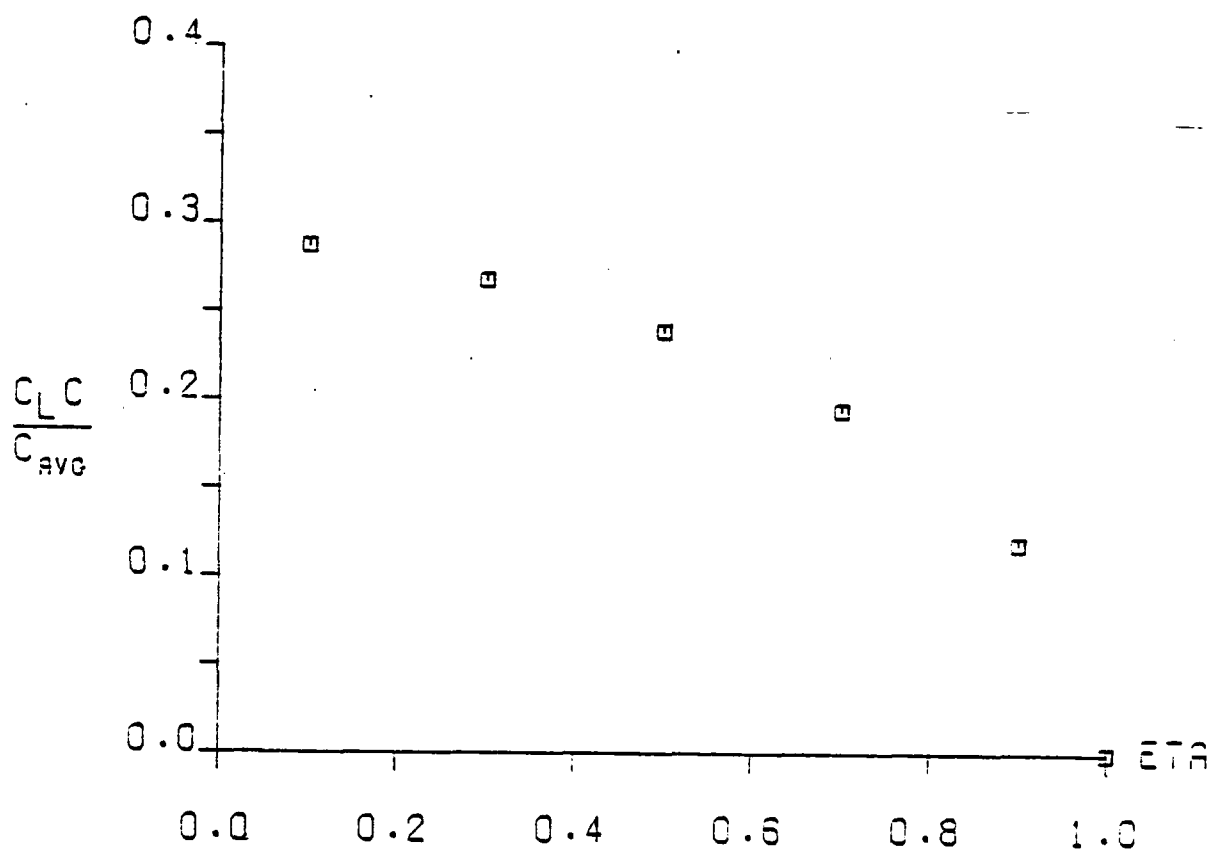


LOCKHEED CFWT SEMI-SPAN TEST, RUN 12
BASIC DATA
NUMERICALLY OPTIMIZED WING C



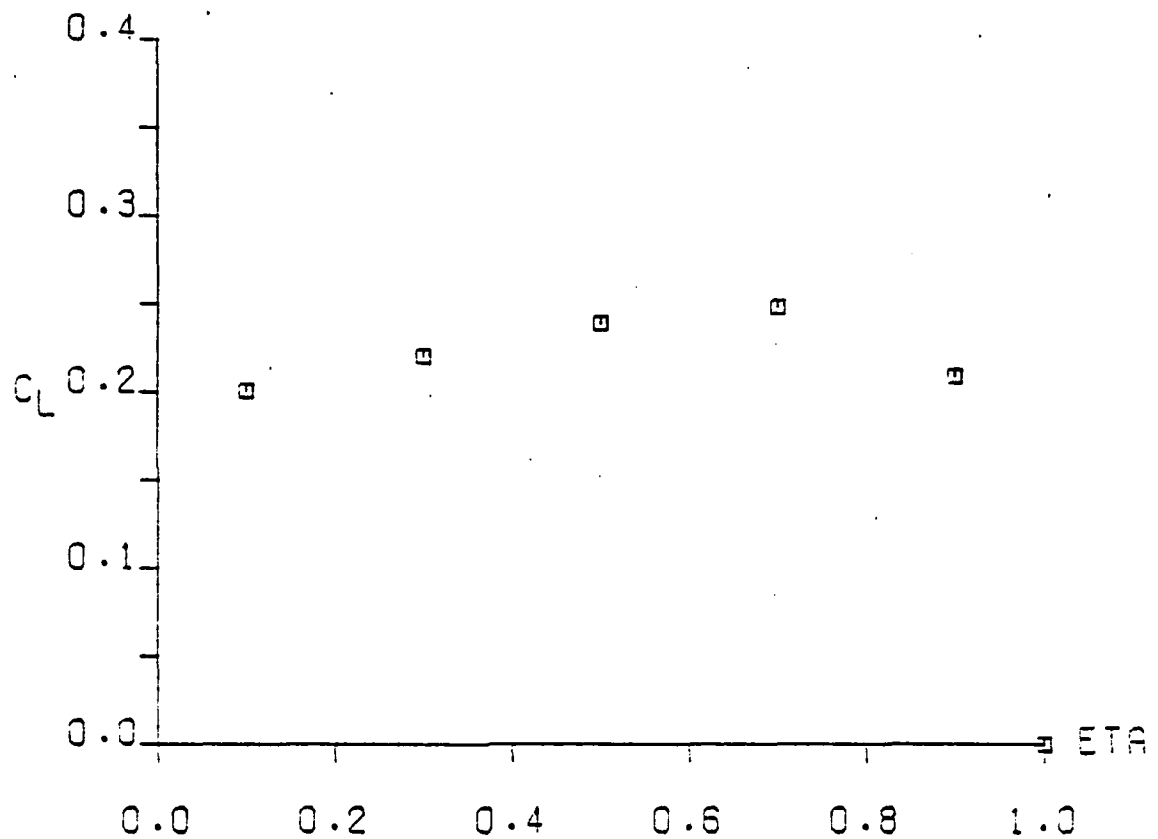
LOCKHEED CFWT SEMI-SPAN TEST, RUN 12
BASIC DATA
NUMERICALLY OPTIMIZED WING C

MACH NO = 0.702
ALPHA = 0.970
CLG = 0.215



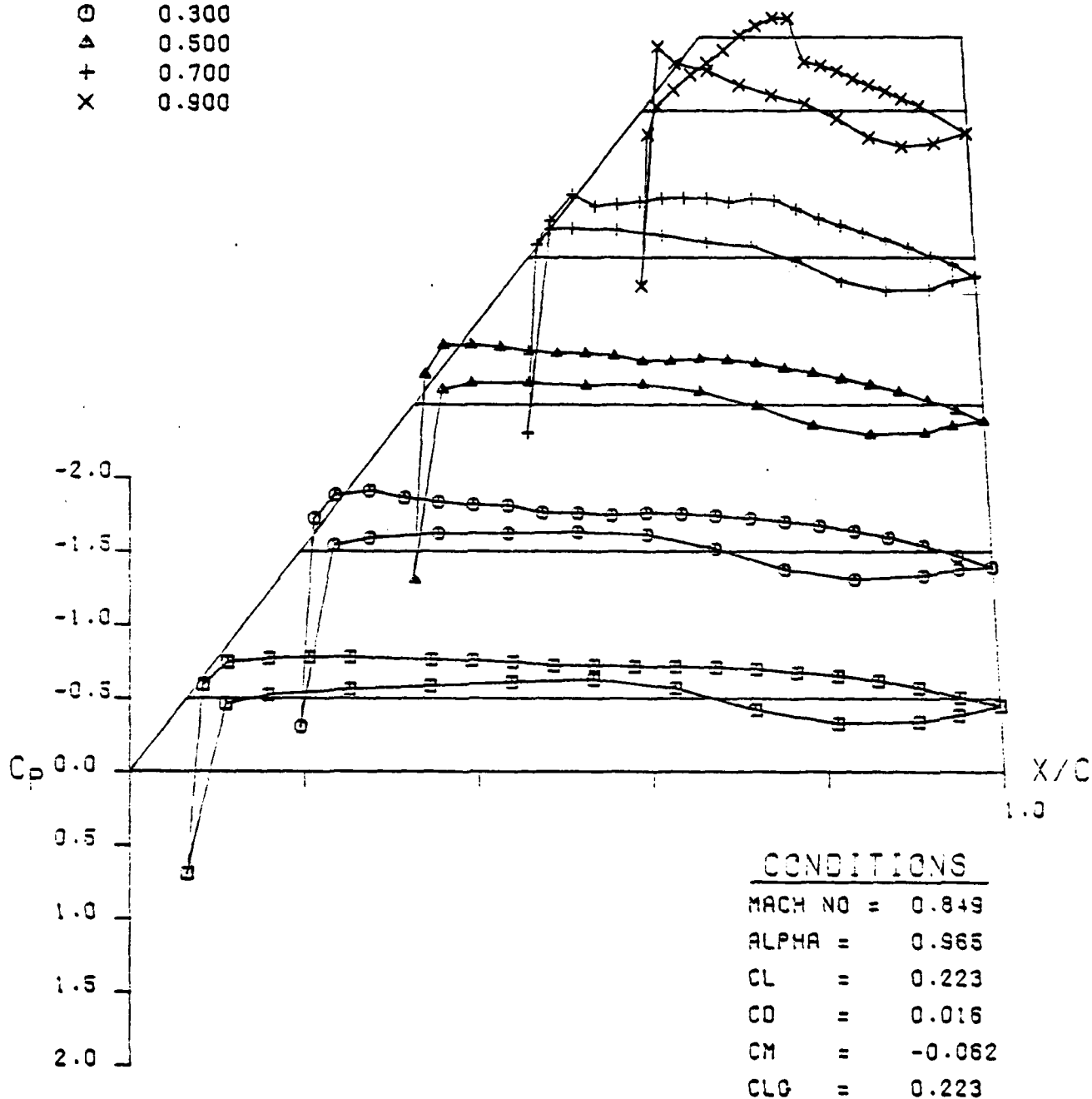
LOCKHEED CFWT SEMI-SPAN TEST, RUN 12
BASIC DATA
NUMERICALLY OPTIMIZED WING C

MACH NO = 0.702
ALPHA = 0.970
CLG = 0.215

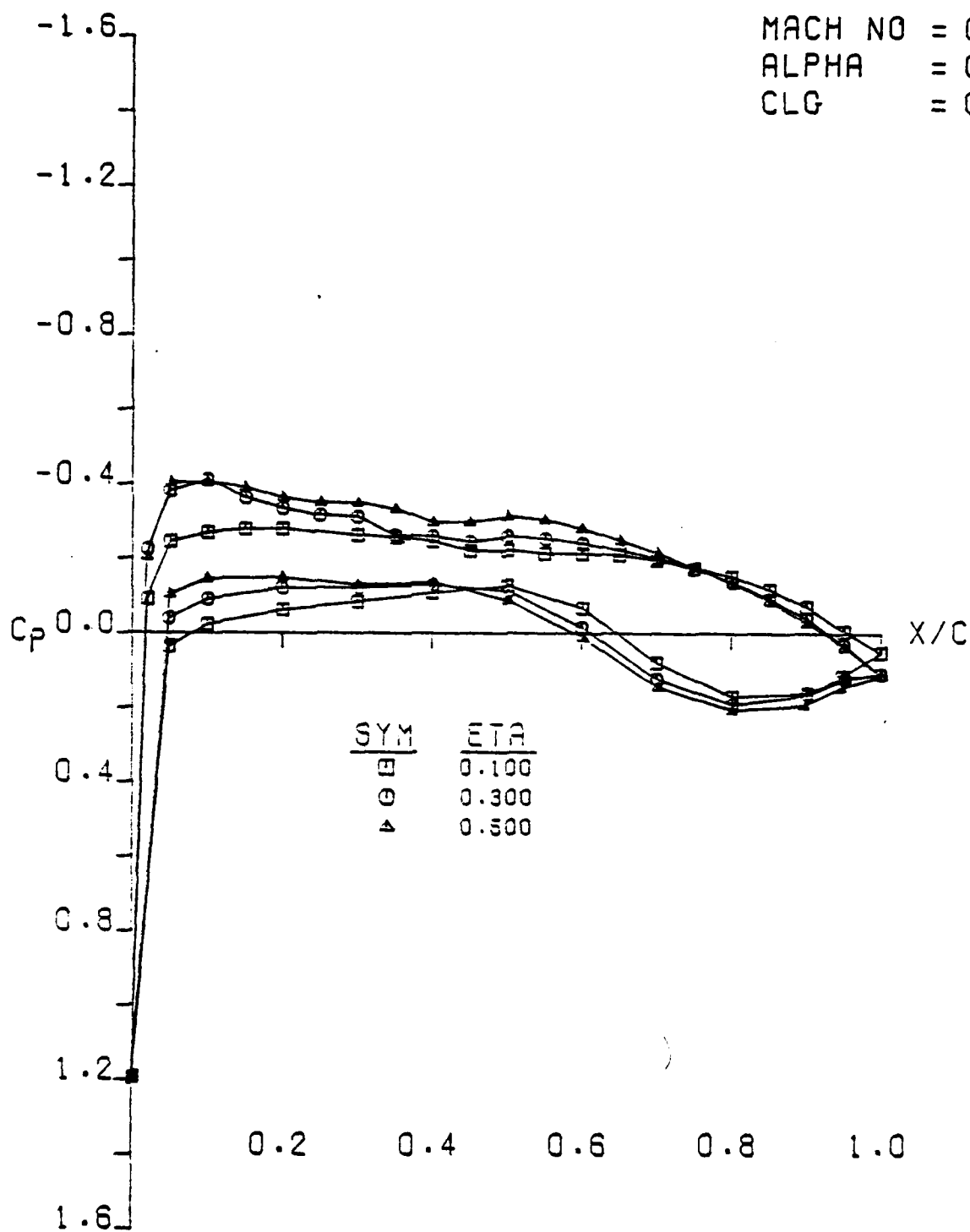


LOCKHEED CFWT SEMI-SPAN TEST, RUN 12
BASIC DATA
NUMERICALLY OPTIMIZED WING C

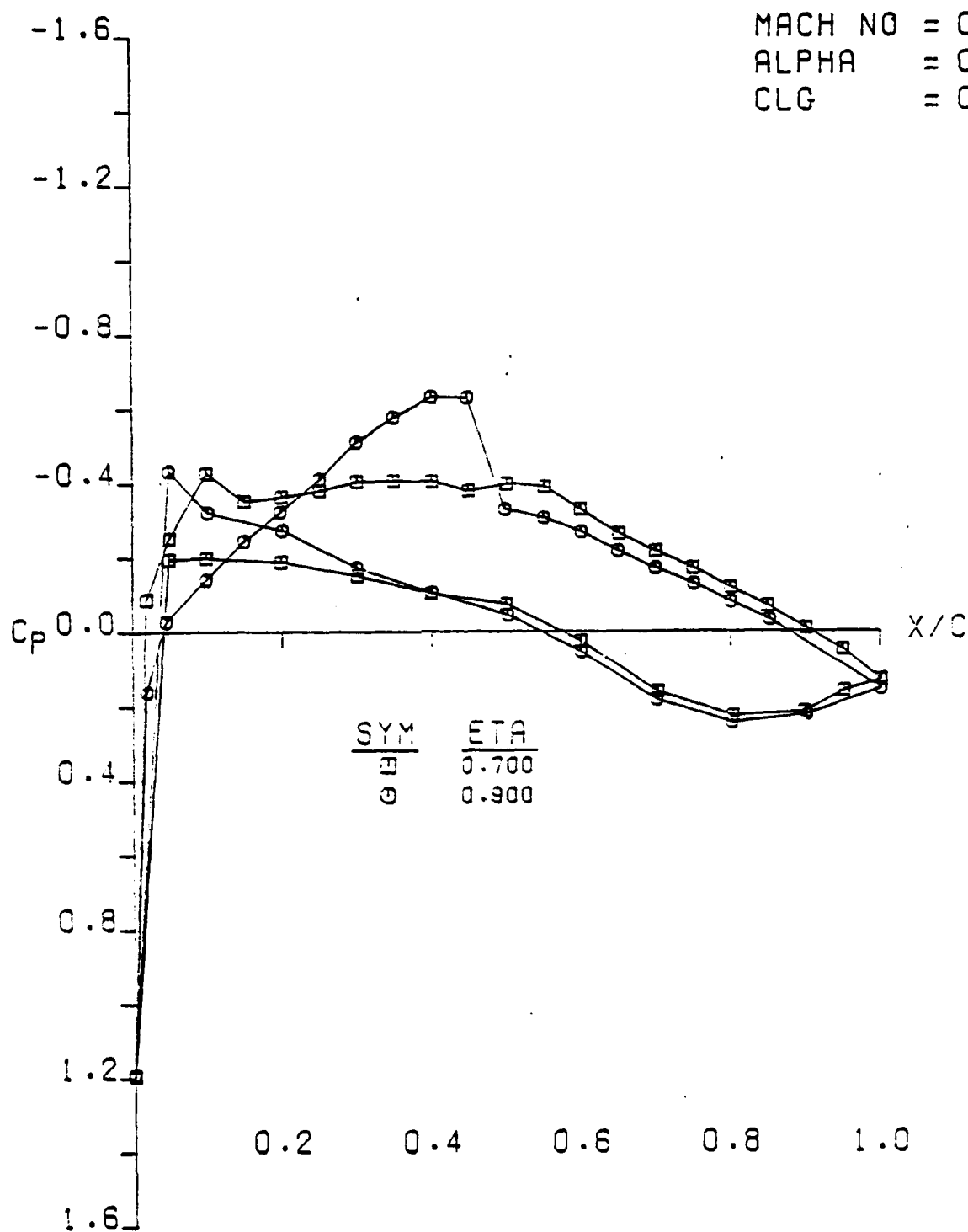
<u>SYM</u>	<u>ETA</u>
□	0.100
○	0.300
△	0.500
+	0.700
x	0.900



LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
 BASIC DATA
 NUMERICALLY OPTIMIZED WING C

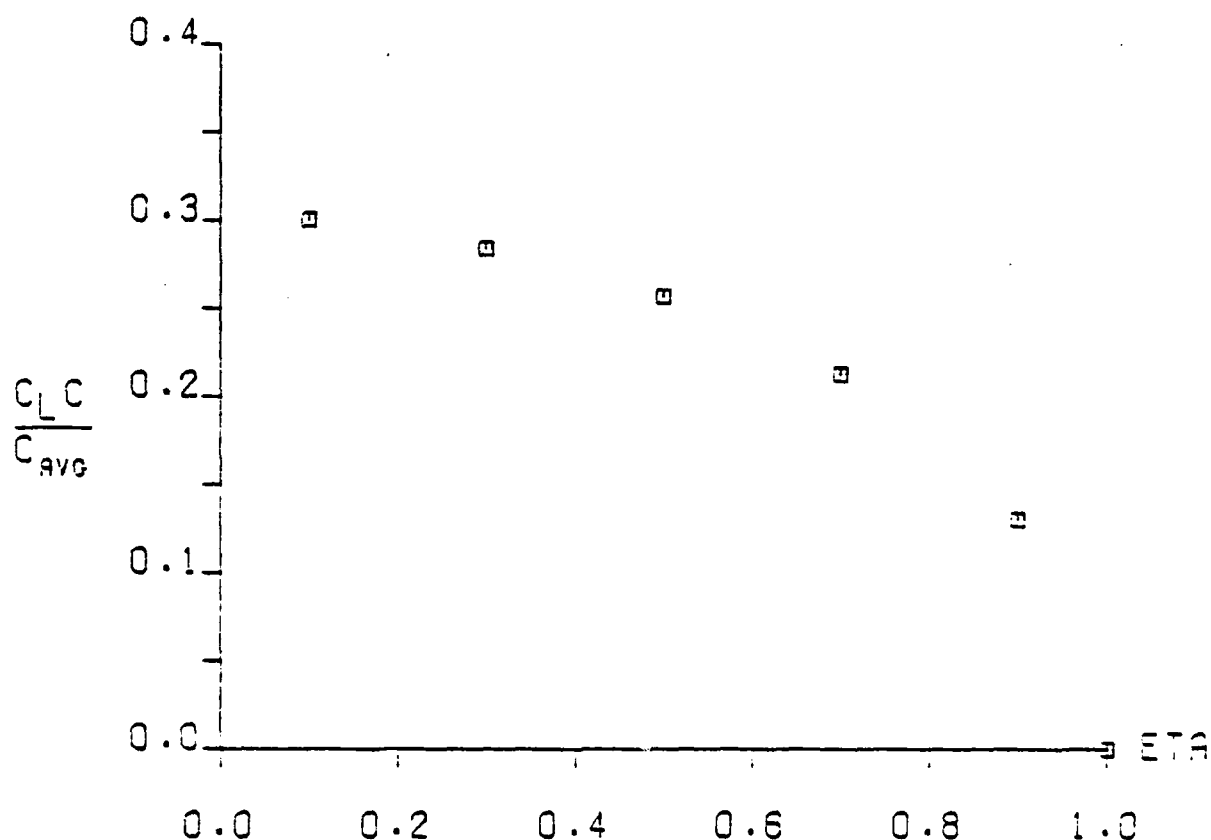


LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
BASIC DATA
NUMERICALLY OPTIMIZED WING C



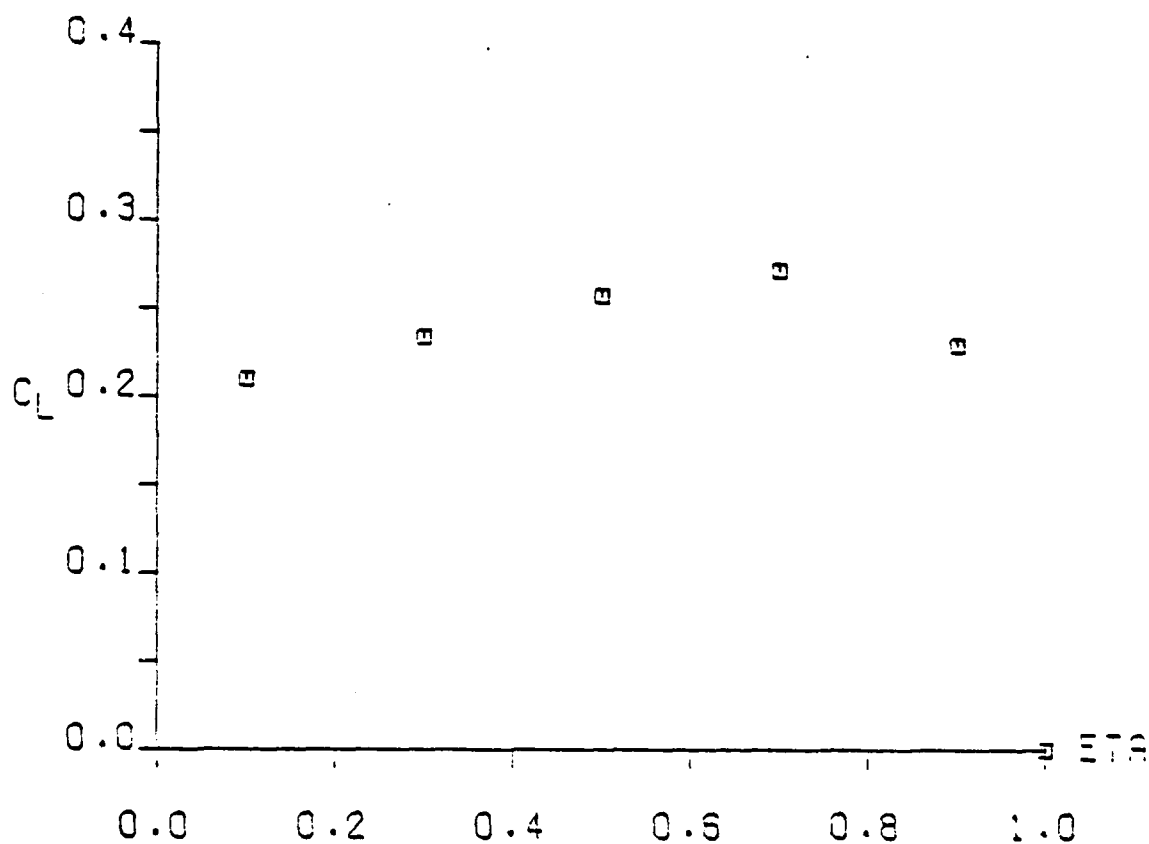
LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
BASIC DATA
NUMERICALLY OPTIMIZED WING C

MACH NO = 0.845
ALPHA = 0.965
CLG = 0.223

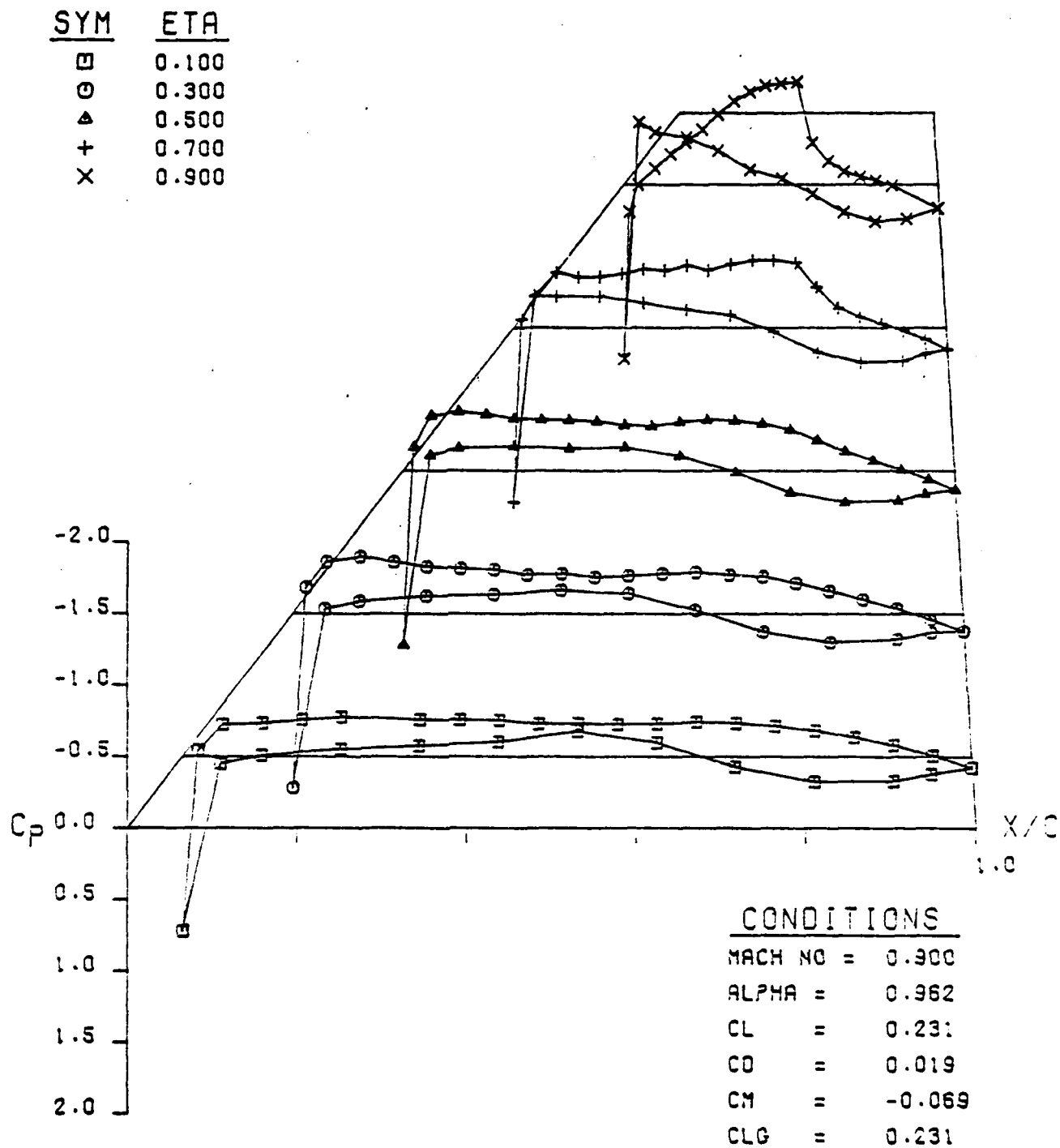


LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
BASIC DATA
NUMERICALLY OPTIMIZED WING C

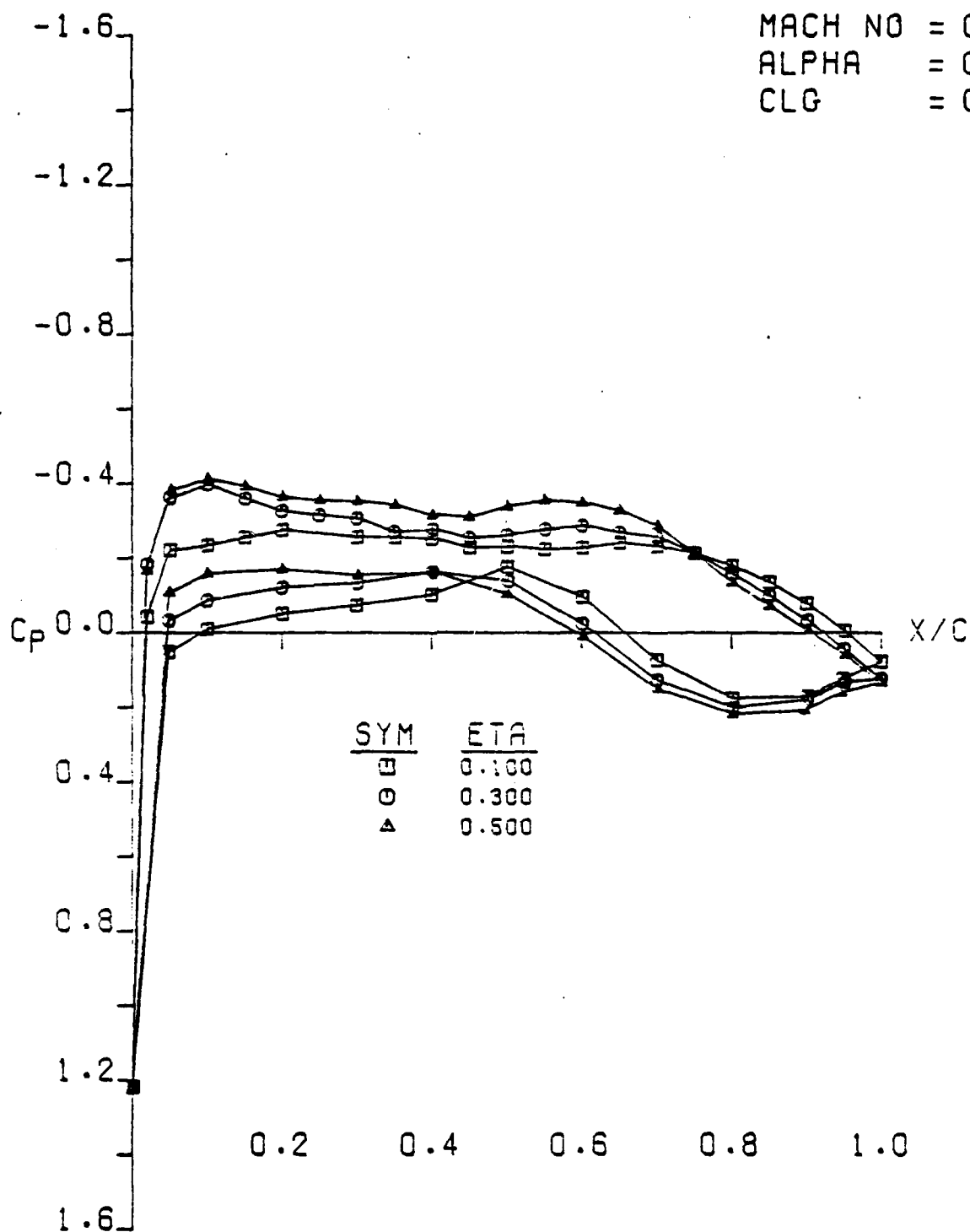
MACH NO = 0.845
ALPHA = 0.965
CLG = 0.223



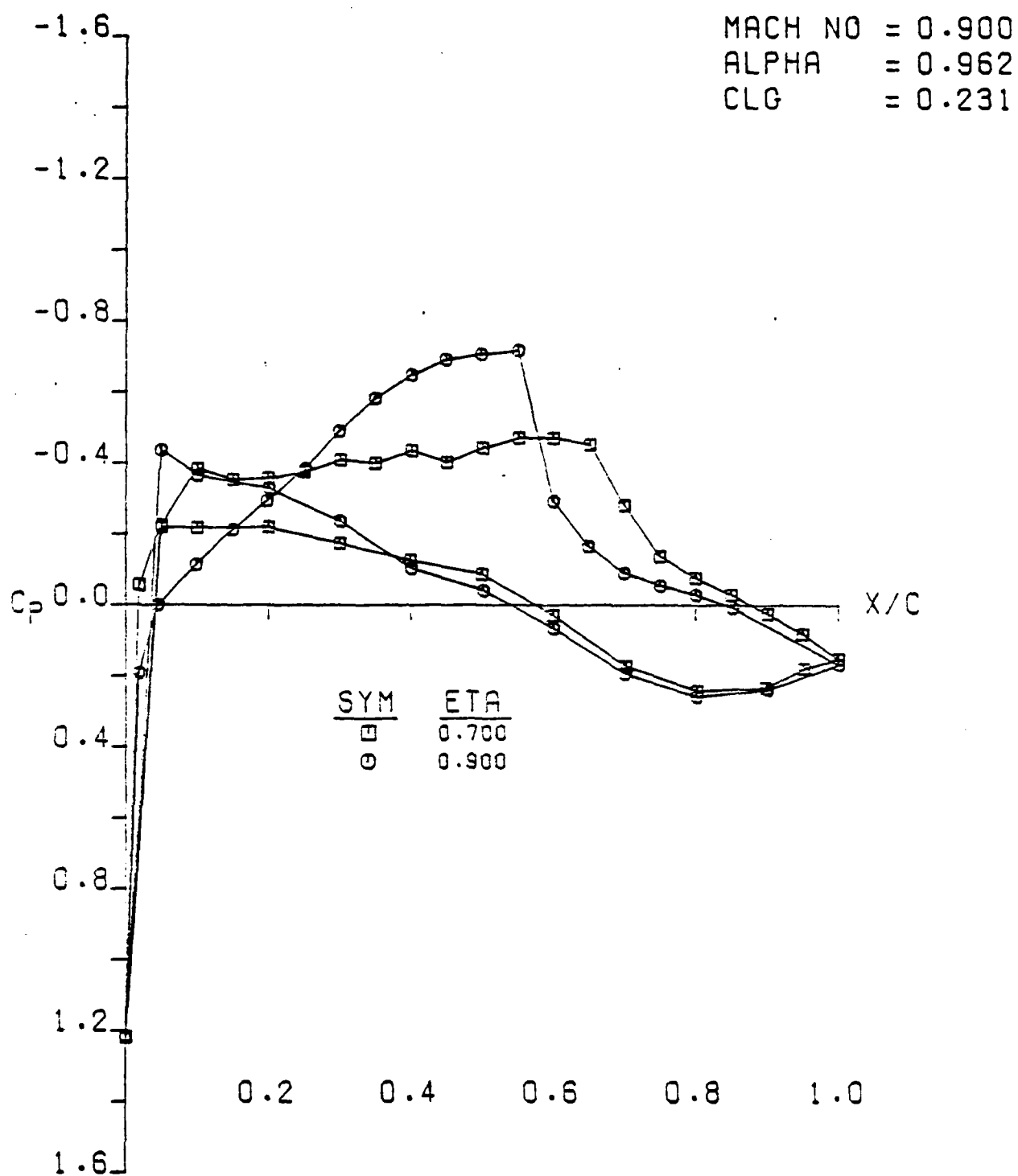
LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
BASIC DATA
NUMERICALLY OPTIMIZED WING C



LOCKHEED CFWT SEMI-SPAN TEST, RUN 49
 BASIC DATA
 NUMERICALLY OPTIMIZED WING C

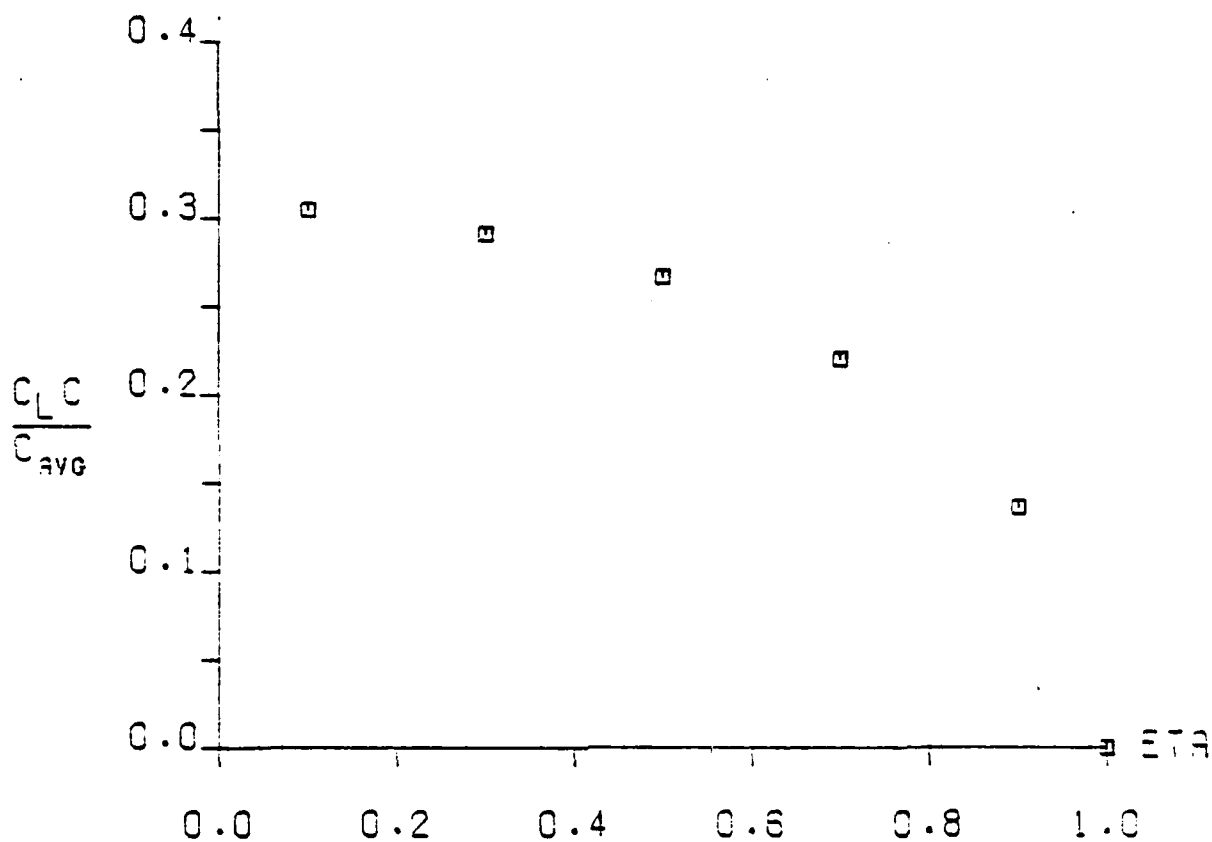


LOCKHEED CFWT SEMI-SPAN TEST, RUN 49
BASIC DATA
NUMERICALLY OPTIMIZED WING C



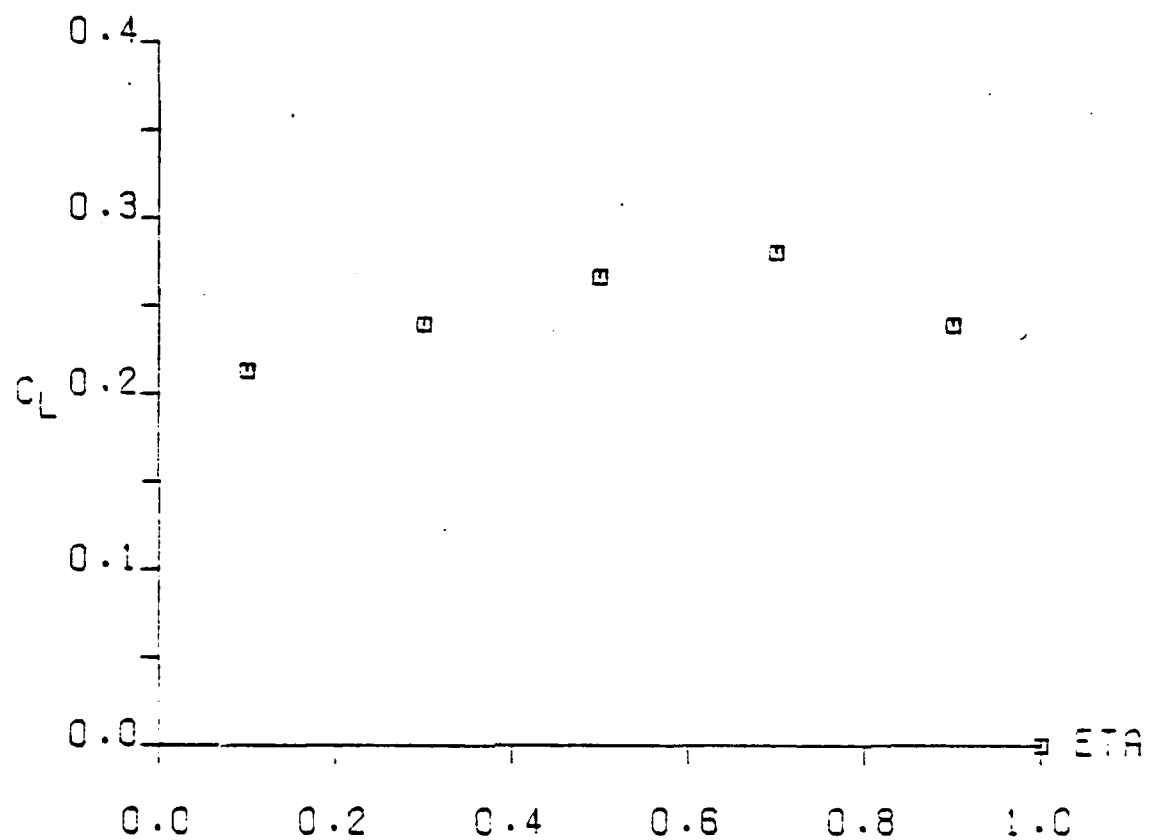
LOCKHEED CFWT SEMI-SPAN TEST, RUN 49
BASIC DATA
NUMERICALLY OPTIMIZED WING C

MACH NO = 0.900
ALPHA = 0.962
CLG = 0.231



LOCKHEED CFWT SEMI-SPAN TEST, RUN 49
BASIC DATA
NUMERICALLY OPTIMIZED WING C

MACH NO = 0.900
ALPHA = 0.962
CLG = 0.231



LOCKHEED CFWT SEMI-SPAN TEST, RUN 49
BASIC DATA
NUMERICALLY OPTIMIZED WING C

ETA

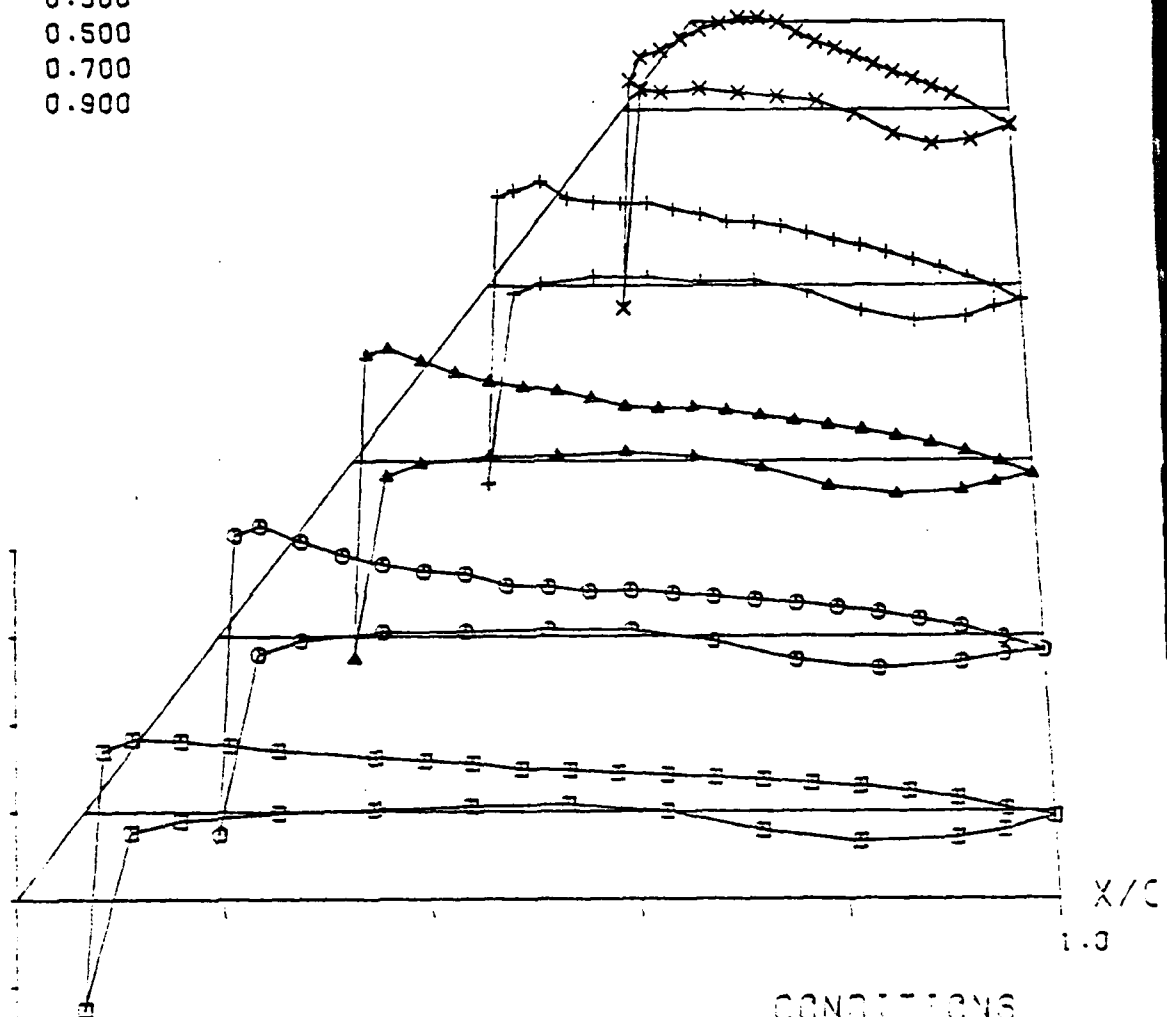
0.100

0.300

0.500

0.700

0.900



CONDITIONS

MACH NO = 0.702

ALPHA = 2.945

CL = 0.329

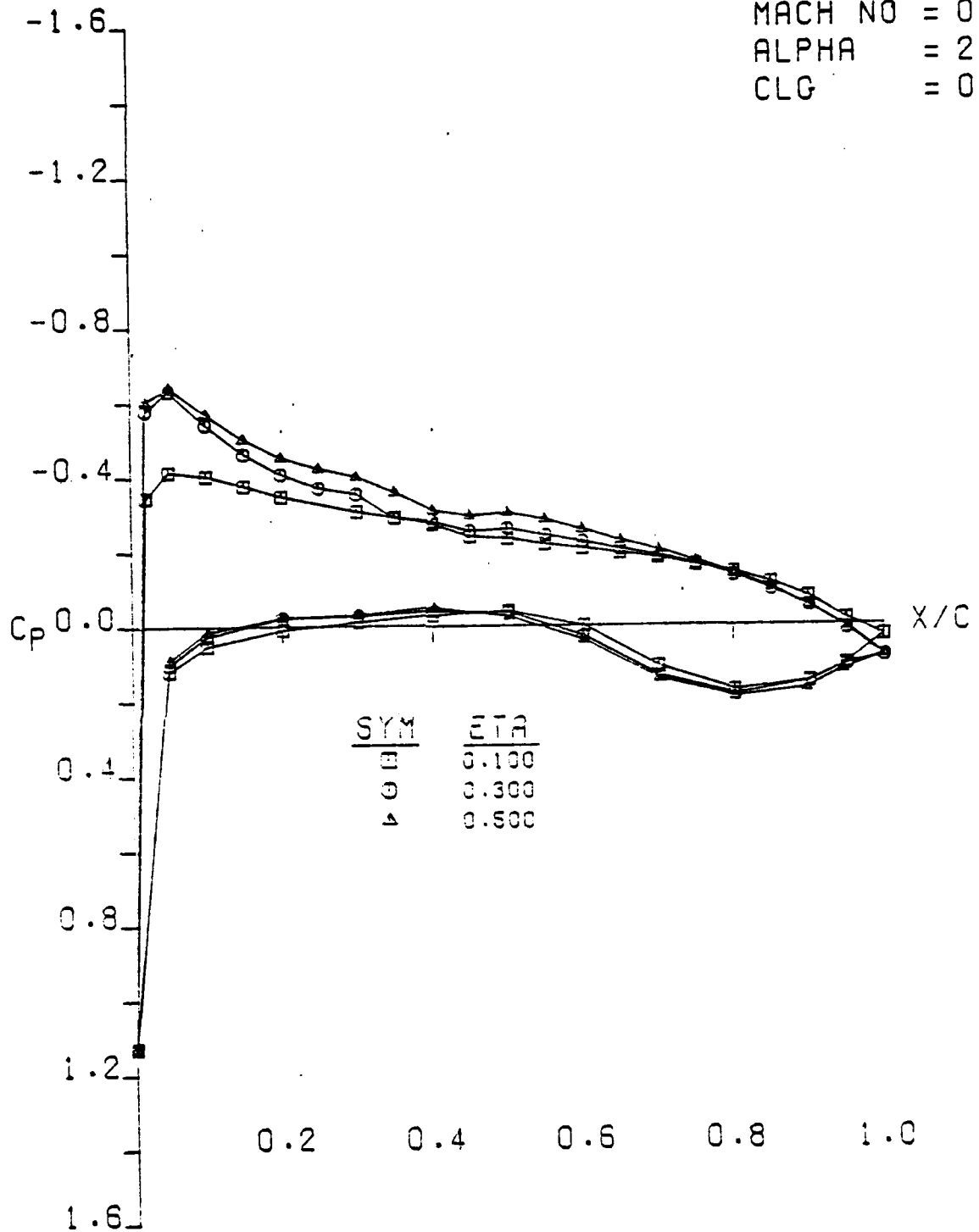
CD = 0.024

CM = -0.059

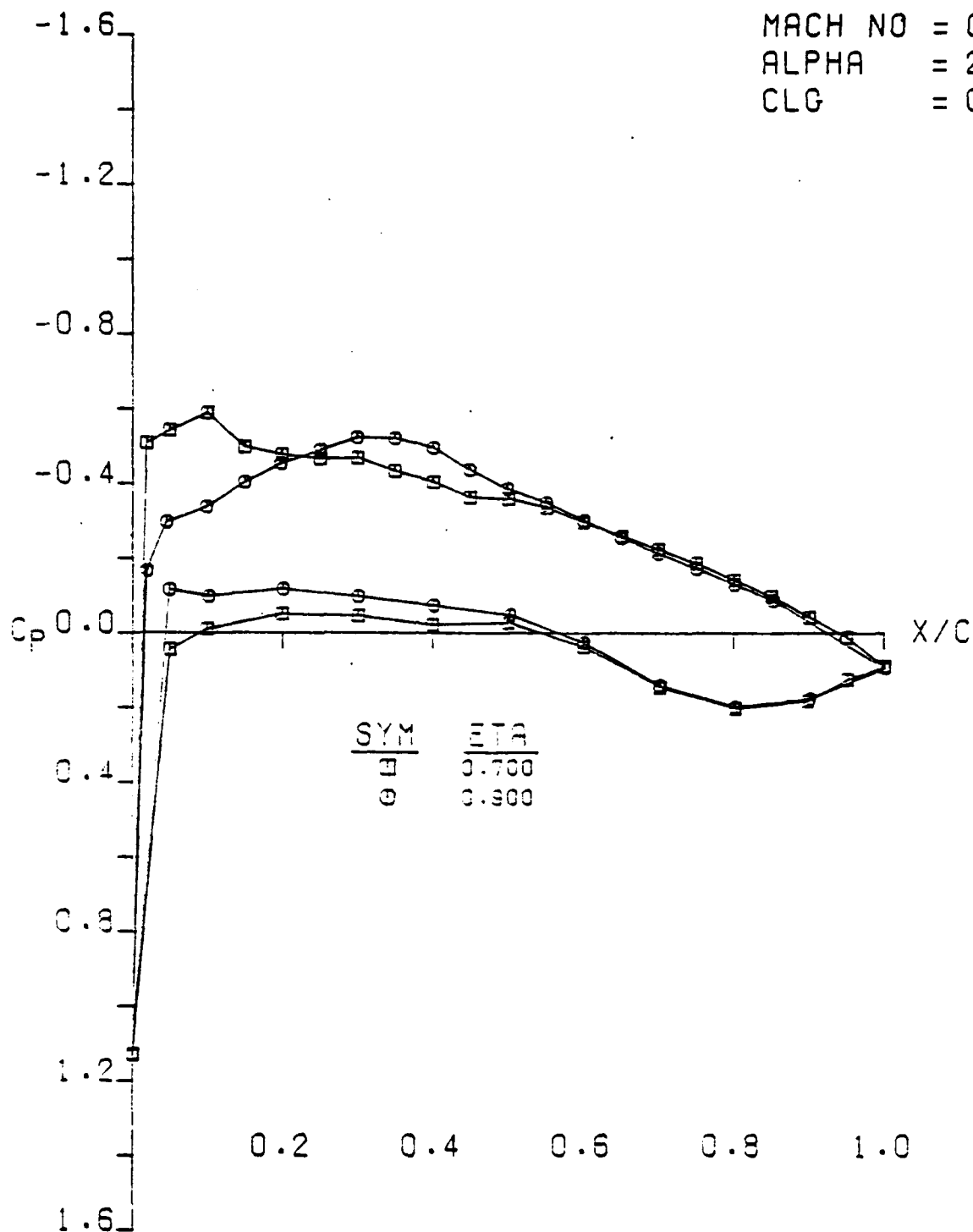
CLG = 0.329

LOCKHEED CFWT SEMI-SPAN TEST, RUN 16
BASIC DATA
NUMERICALLY OPTIMIZED WING C

MACH NO = 0.702
 ALPHA = 2.945
 CLG = 0.329

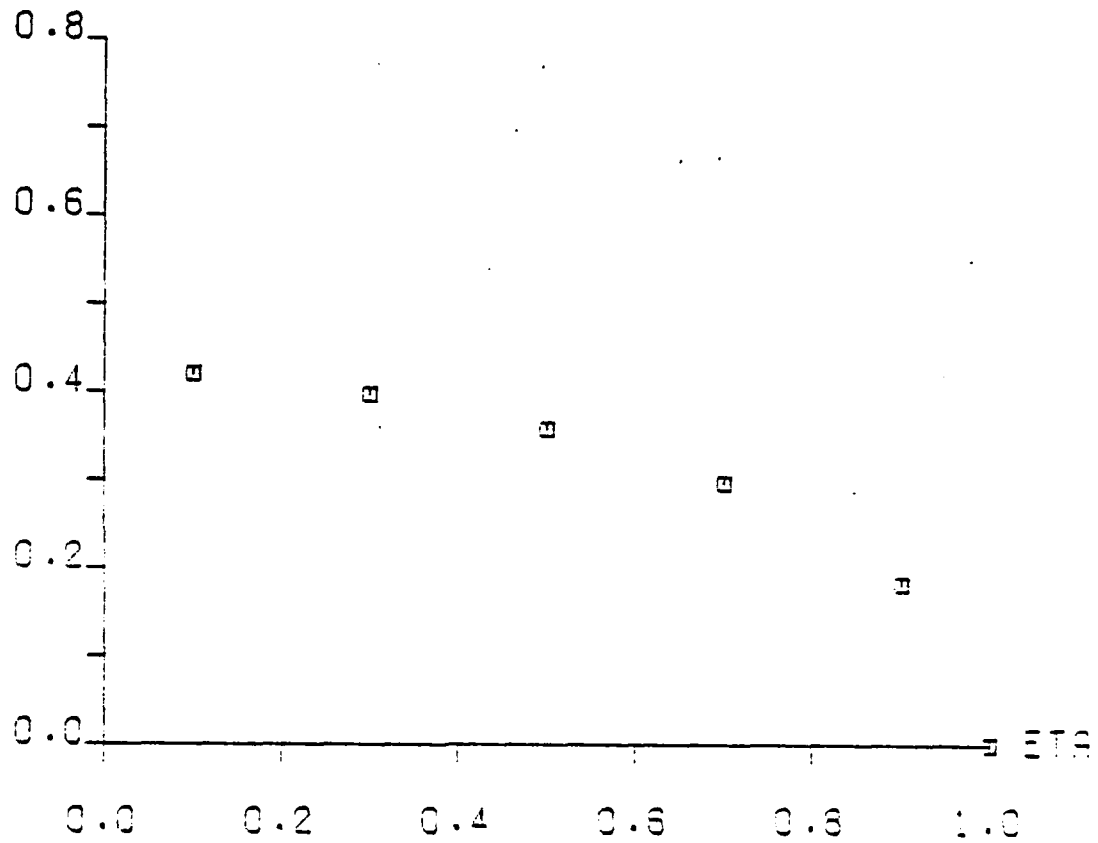


LOCKHEED CFWT SEMI-SPAN TEST, RUN 16
 BASIC DATA
 NUMERICALLY OPTIMIZED WING C



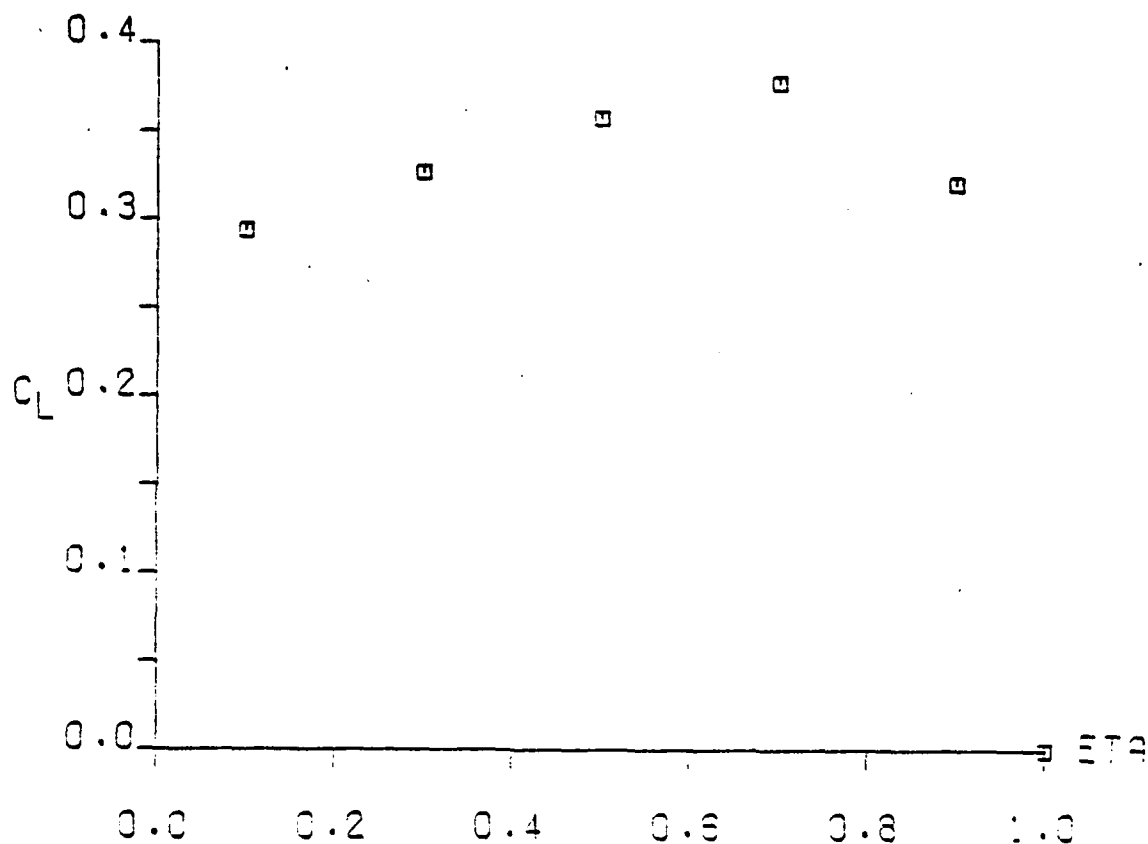
LOCKHEED CFWT SEMI-SPAN TEST, RUN 16
BASIC DATA
NUMERICALLY OPTIMIZED WING C

MACH NO = 0.702
ALPHA = 2.945
CLG = 0.329

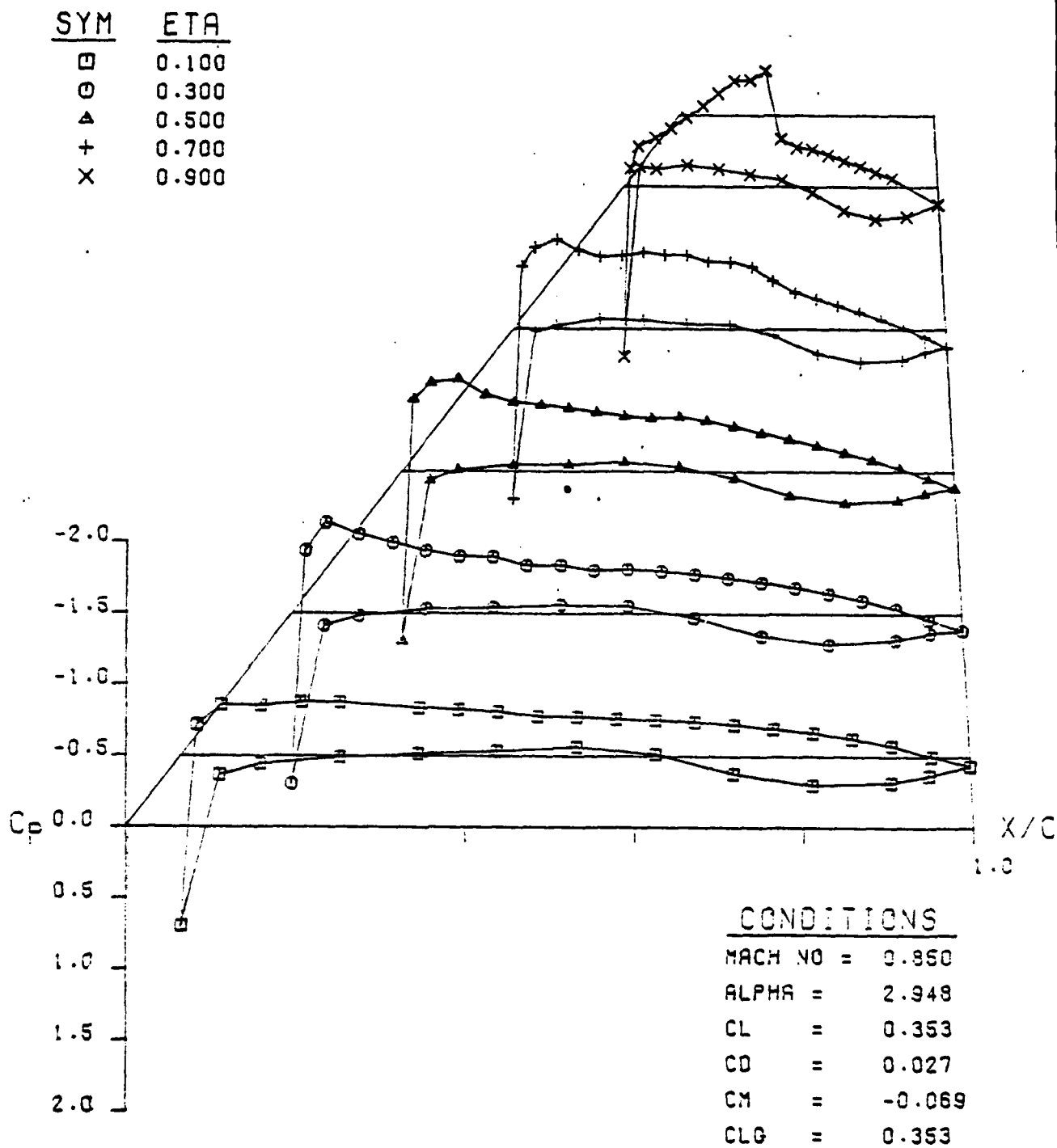


LOCKHEED CFWT SEMI-SPAN TEST, RUN 16
BASIC DATA
NUMERICALLY OPTIMIZED WING C

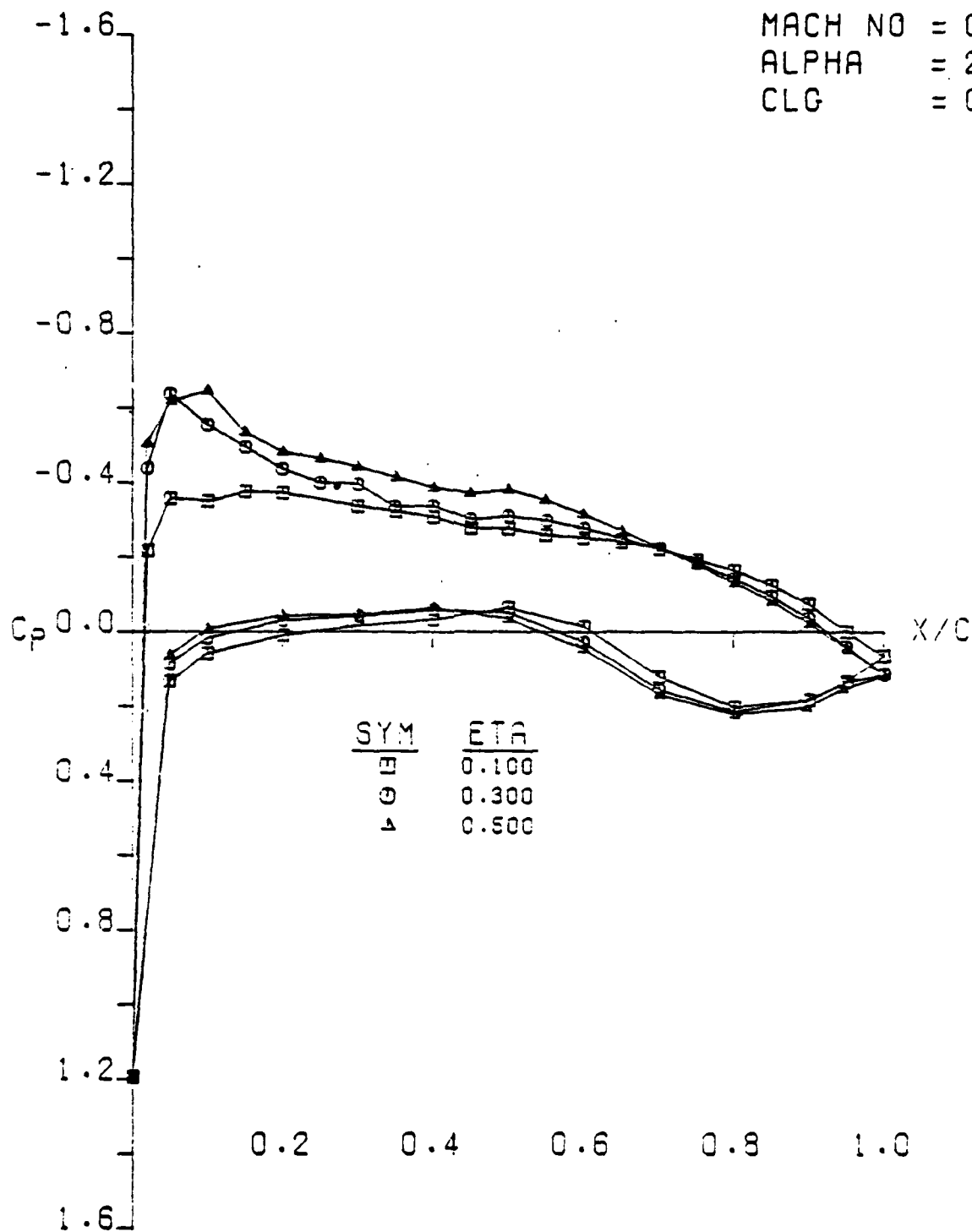
MACH NO = 0.702
ALPHA = 2.945
CLG = 0.329



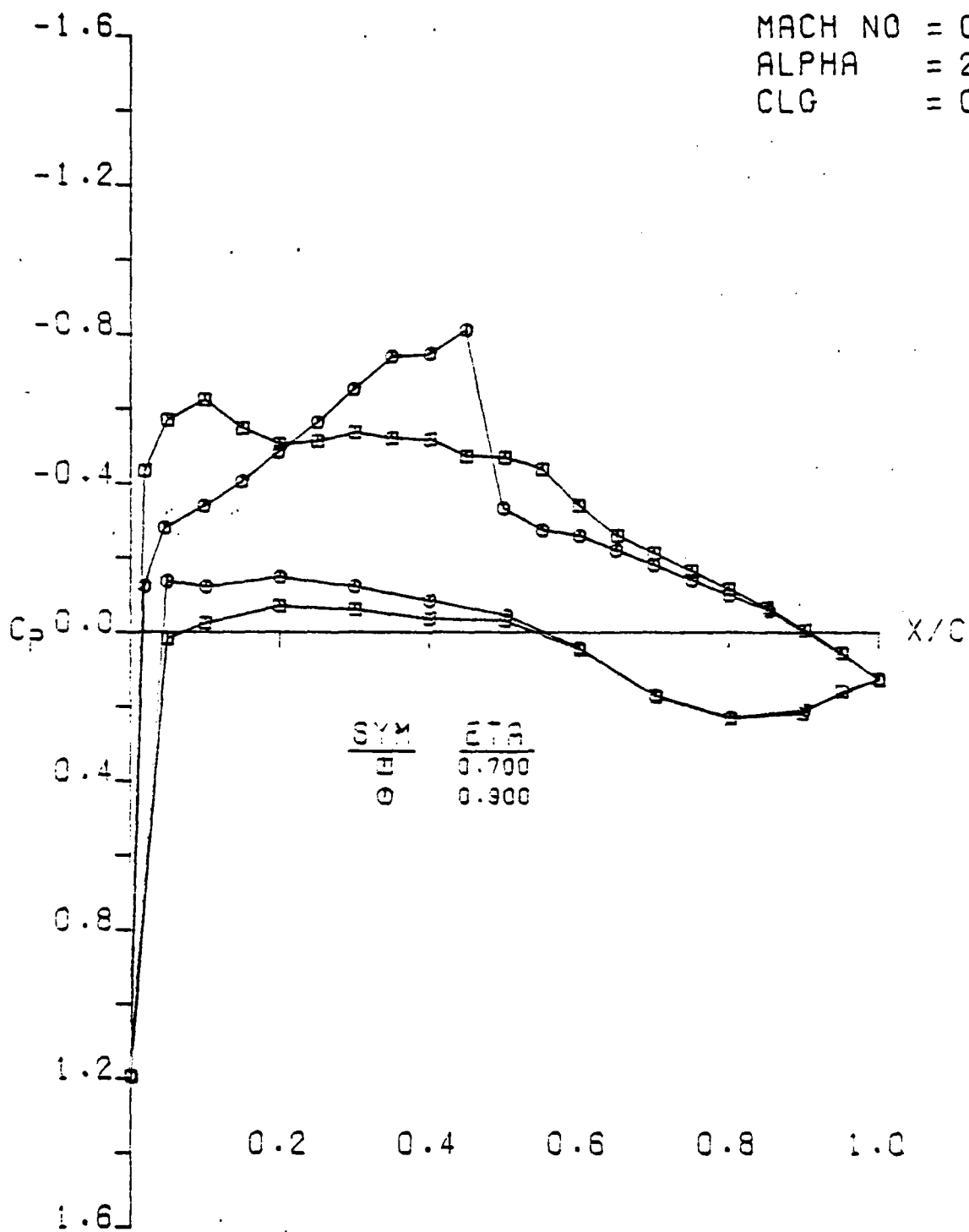
LOCKHEED CFWT SEMI-SPAN TEST, RUN 16
BASIC DATA
NUMERICALLY OPTIMIZED WING C



LOCKHEED CFWT SEMI-SPAN TEST, RUN 40
 BASIC DATA
 NUMERICALLY OPTIMIZED WING C

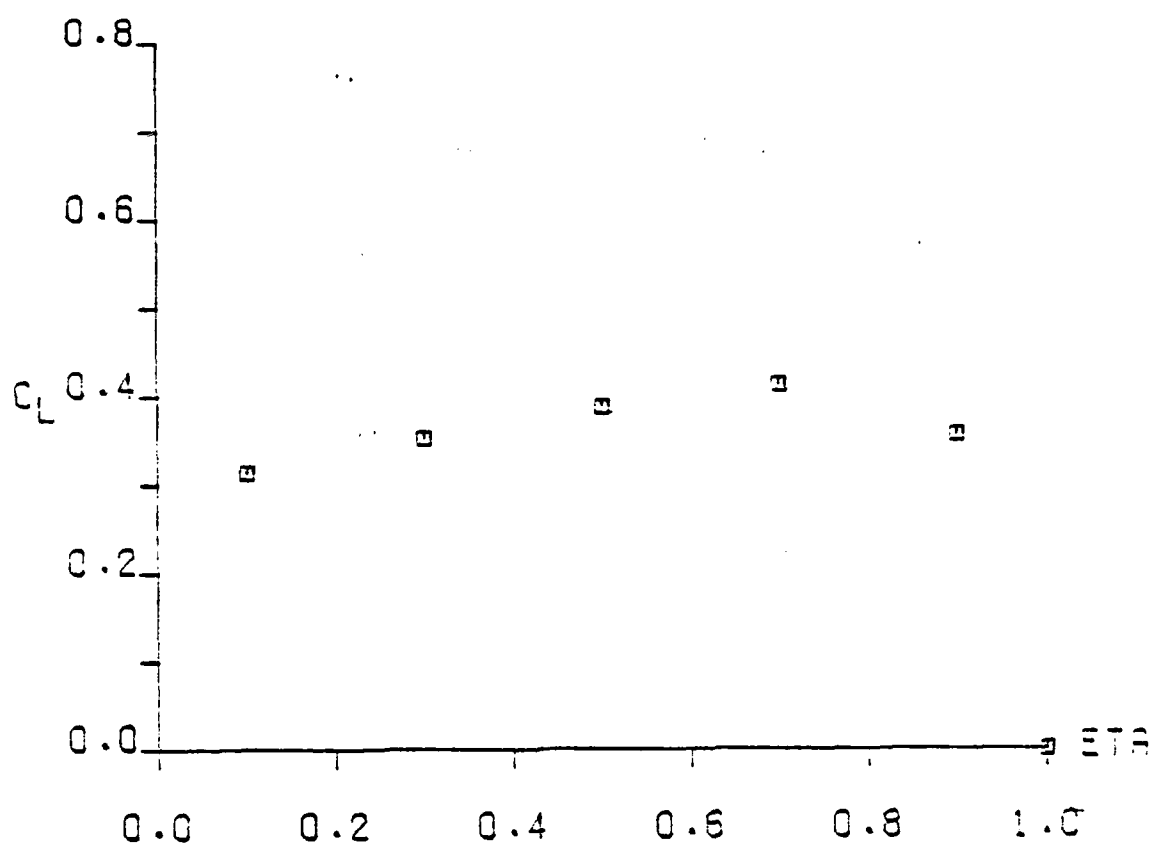


LOCKHEED CFWT SEMI-SPAN TEST, RUN 40
BASIC DATA
NUMERICALLY OPTIMIZED WING C



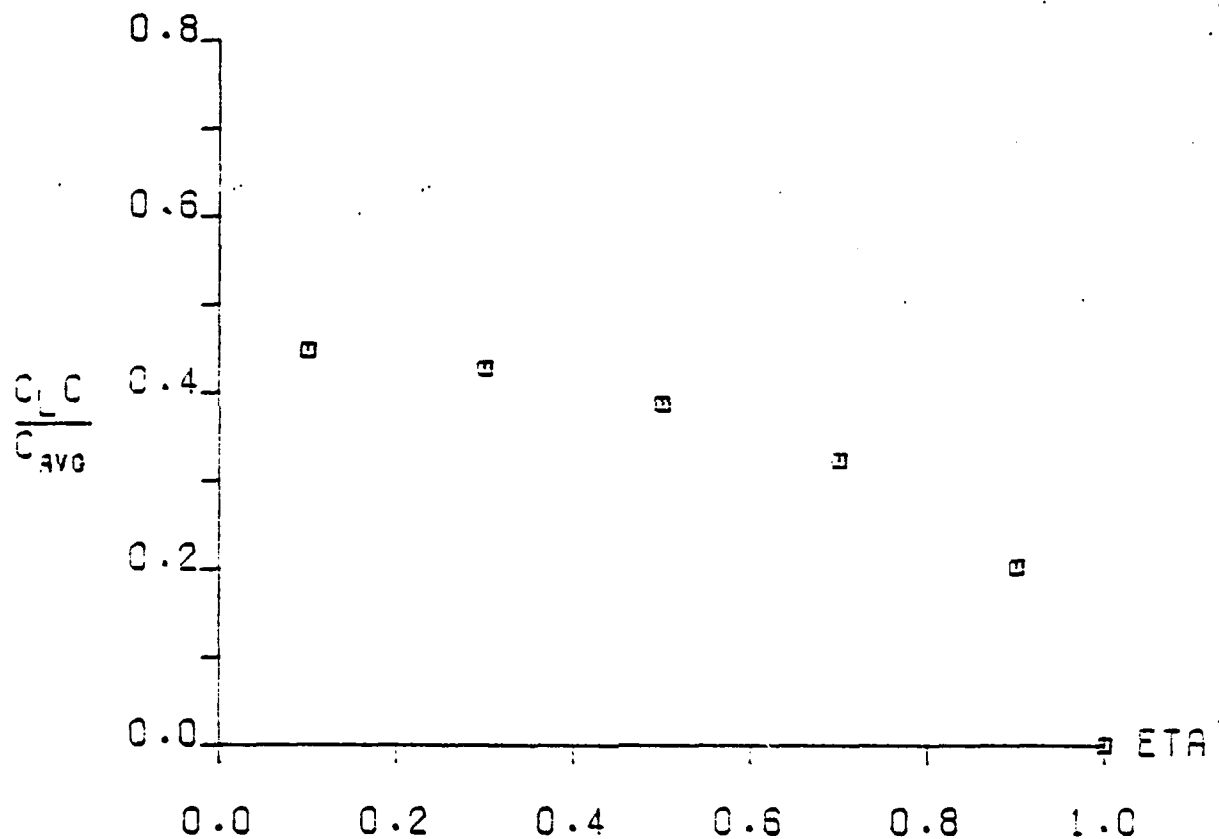
LOCKHEED CFWT SEMI-SPAN TEST, RUN 40
 BASIC DATA
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.850
ALPHA = 2.948
CLG = 0.353

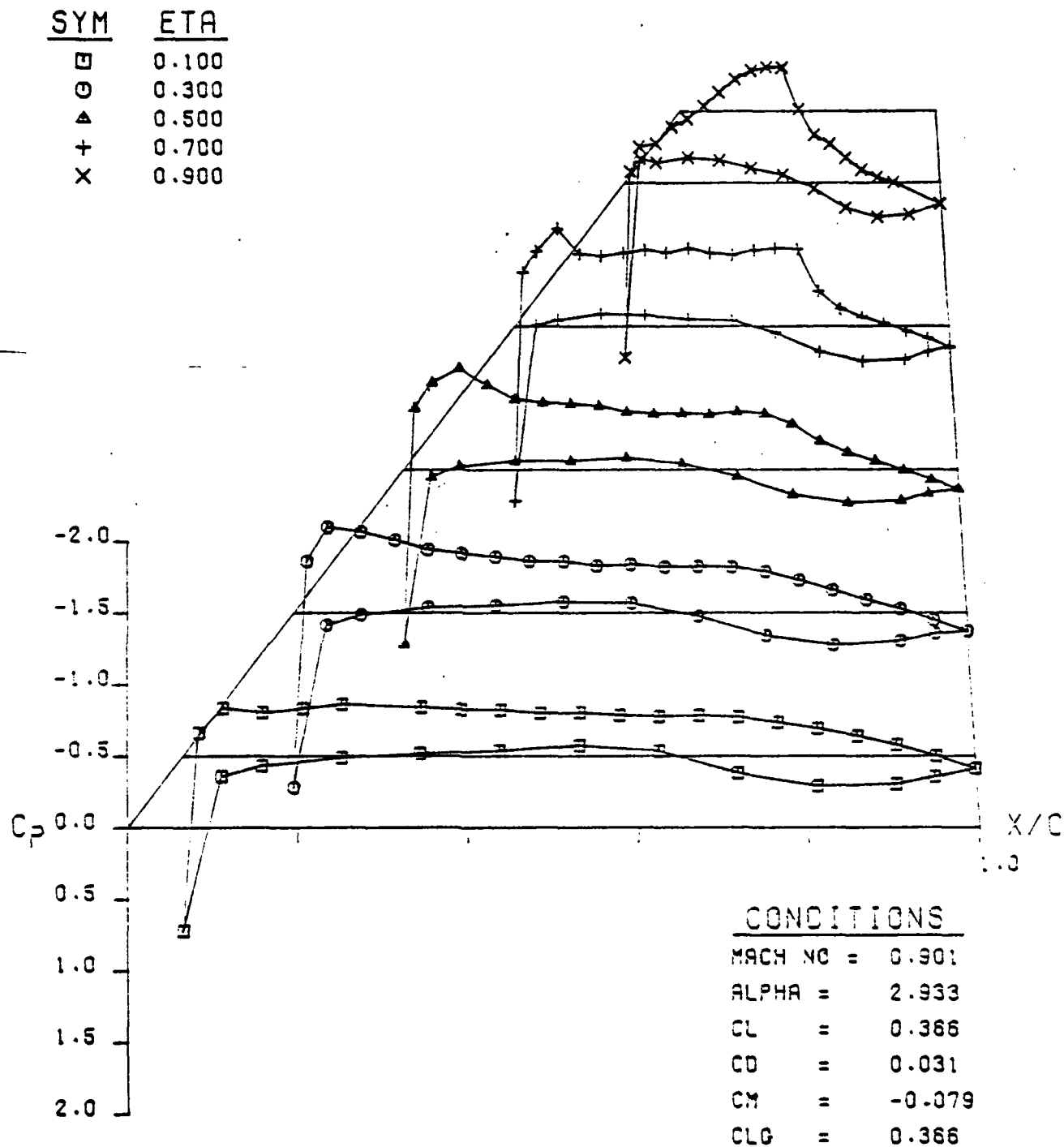


LOCKHEED CFWT SEMI-SPAN TEST, RUN 40
BASIC DATA
NUMERICALLY OPTIMIZED WING C

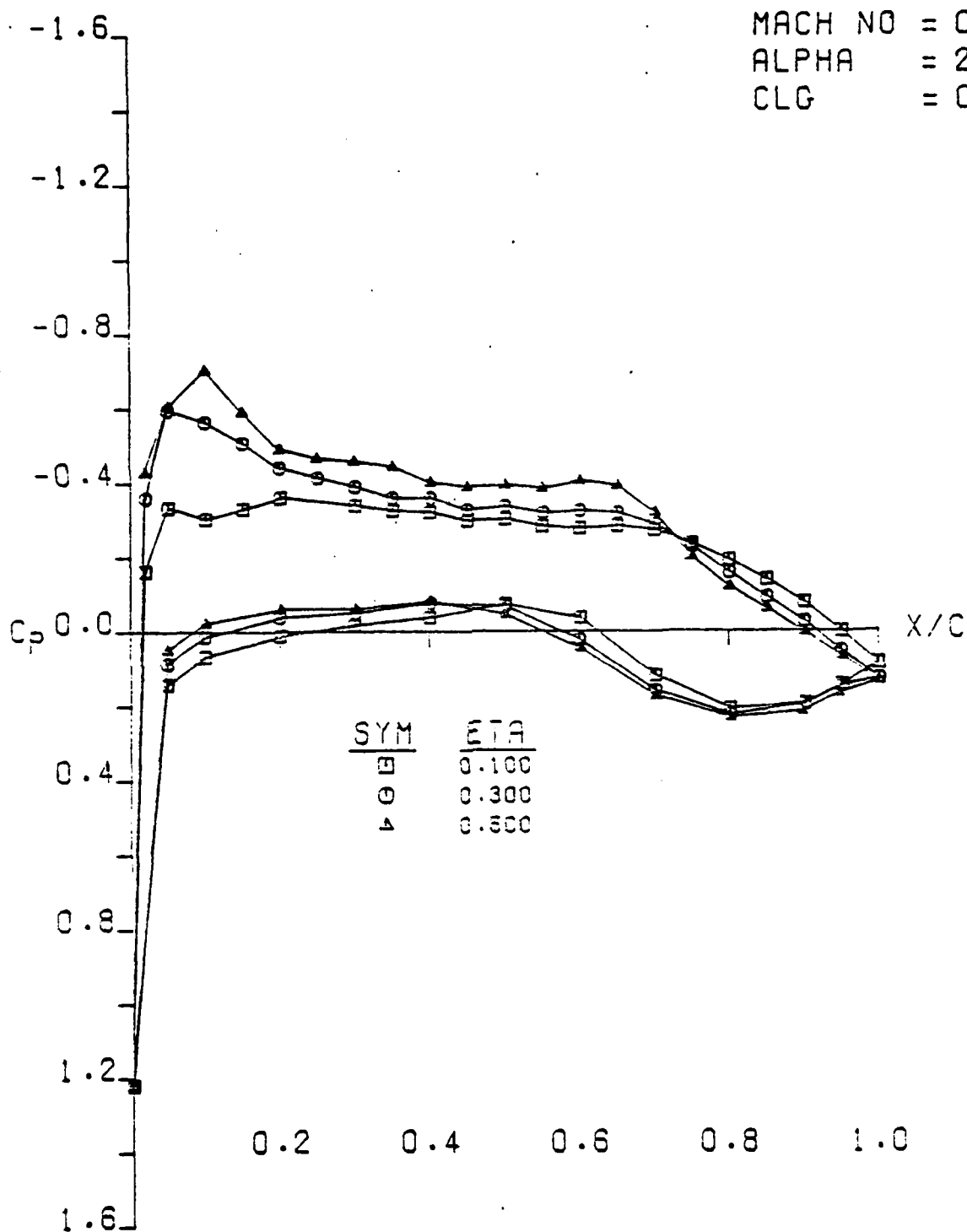
MACH NO = 0.850
ALPHA = 2.948
CLG = 0.353



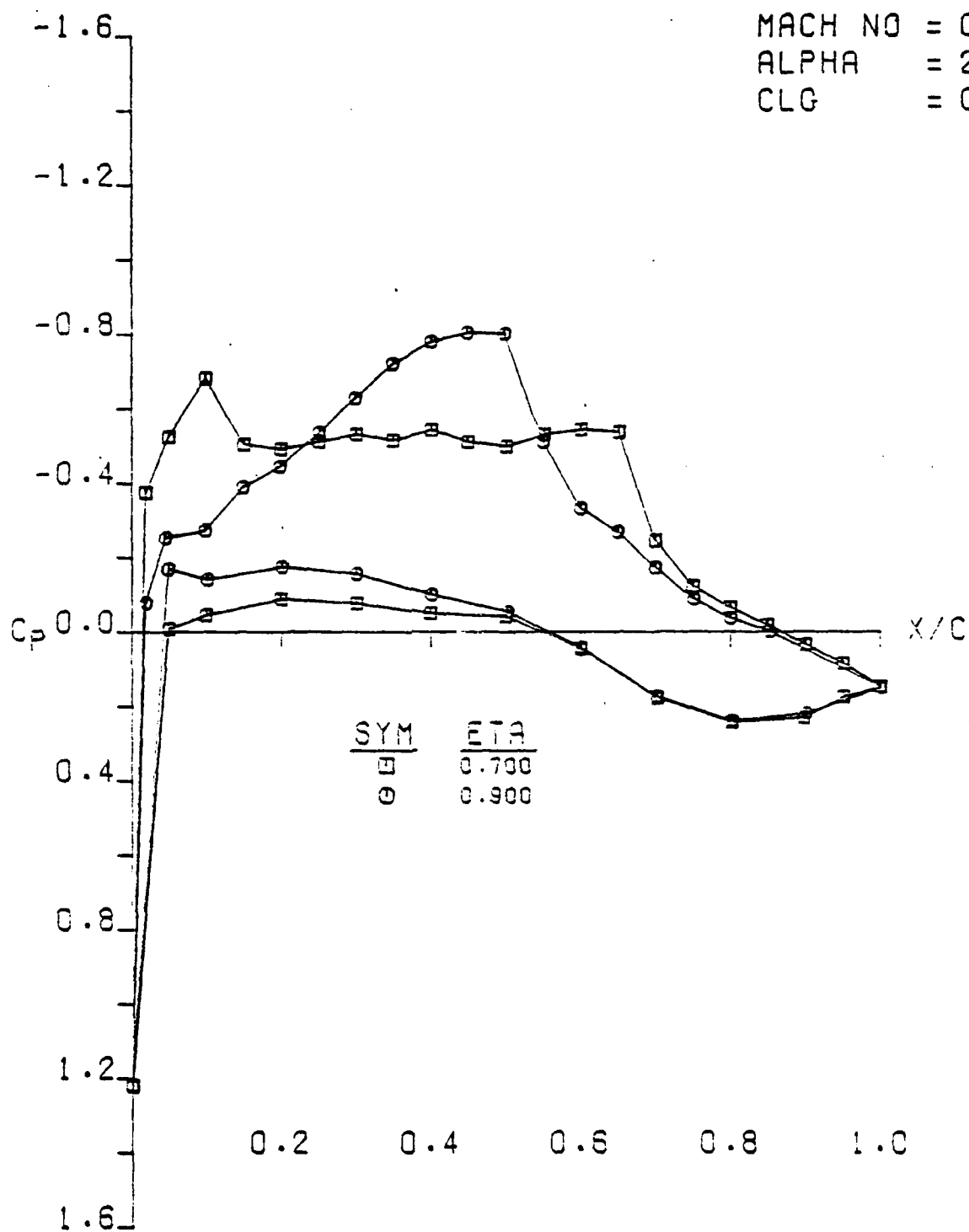
LOCKHEED CFWT SEMI-SPAN TEST, RUN 40
BASIC DATA
NUMERICALLY OPTIMIZED WING C



LOCKHEED CFWT SEMI-SPAN TEST, RUN 51
 BASIC DATA
 NUMERICALLY OPTIMIZED WING C

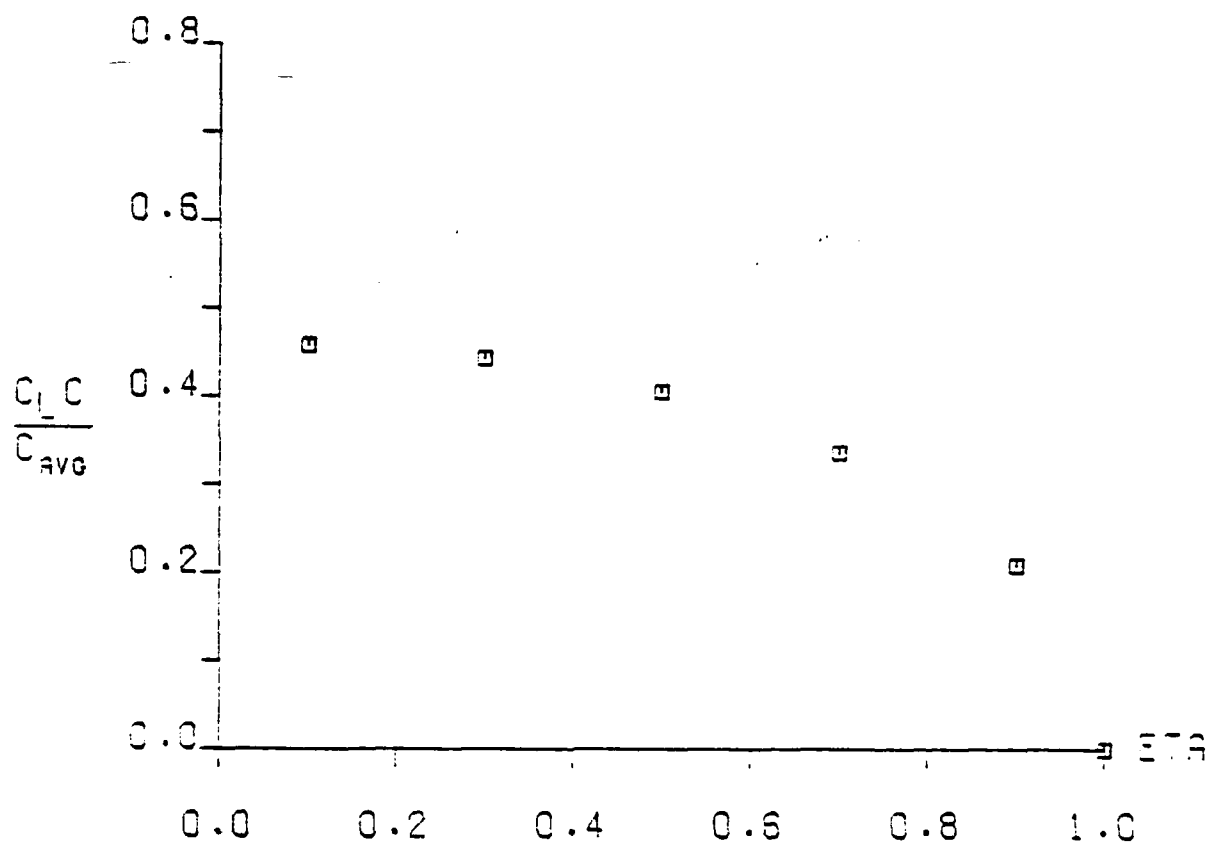


LOCKHEED CFWT SEMI-SPAN TEST, RUN 51
BASIC DATA
NUMERICALLY OPTIMIZED WING C



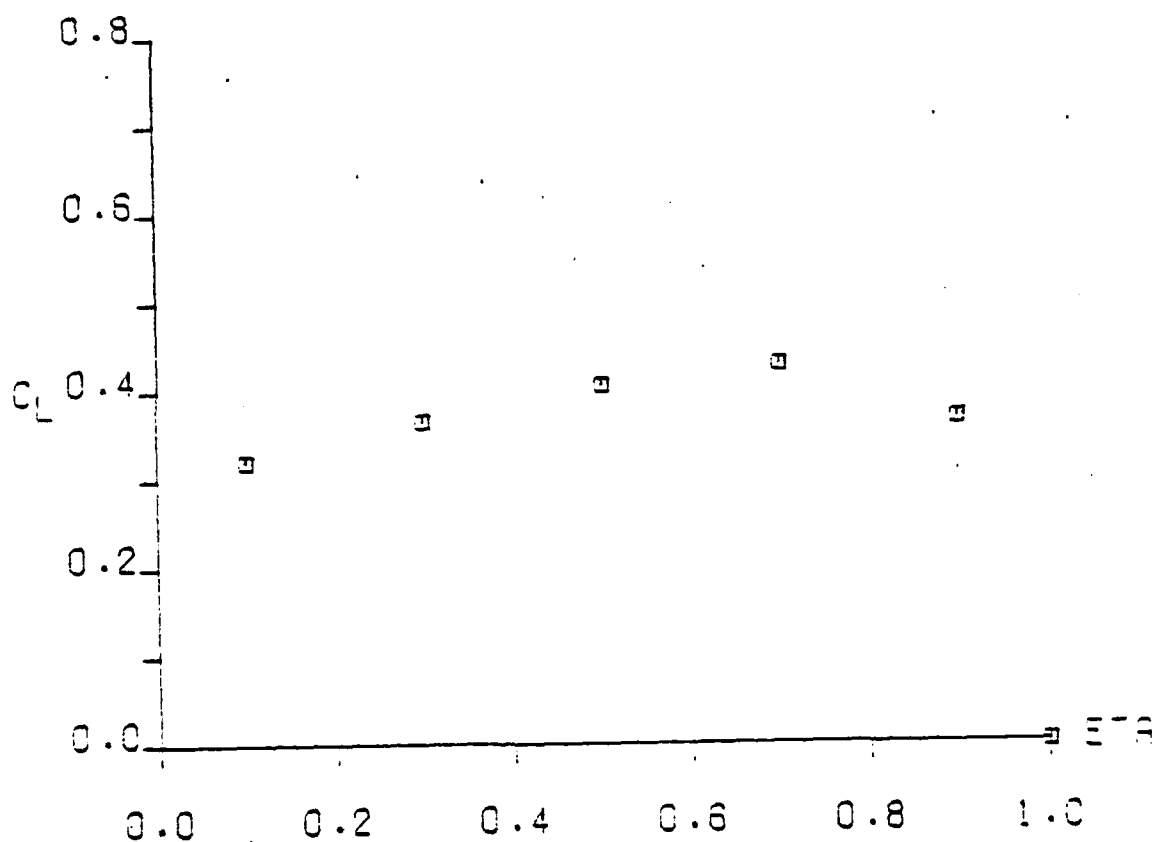
LOCKHEED CFWT SEMI-SPAN TEST, RUN 51
 BASIC DATA
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.901
ALPHA = 2.933
CLG = 0.366

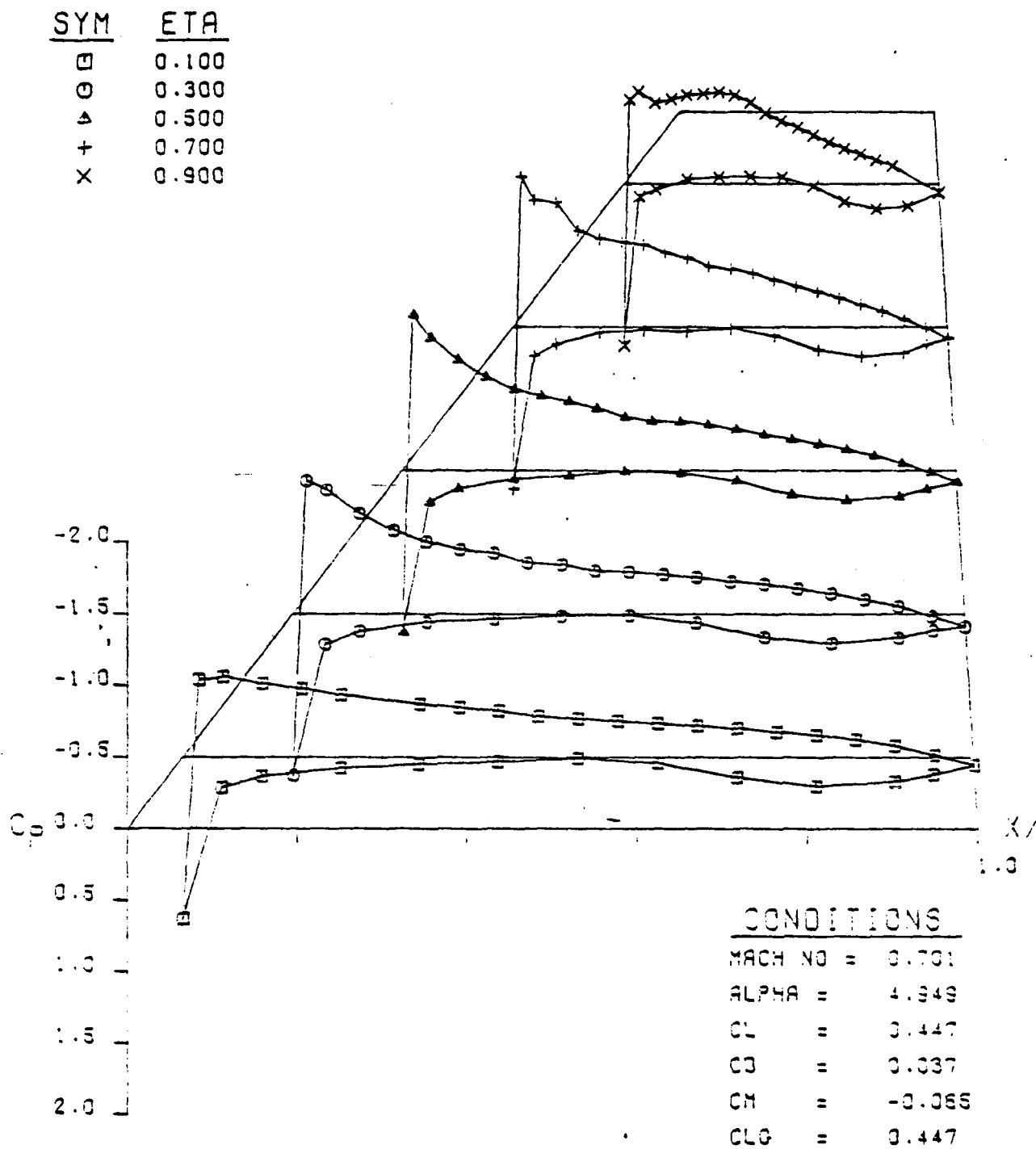


LOCKHEED CFWT SEMI-SPAN TEST, RUN 51
BASIC DATA
NUMERICALLY OPTIMIZED WING C

MACH NO = 0.901
ALPHA = 2.933
CLG = 0.366

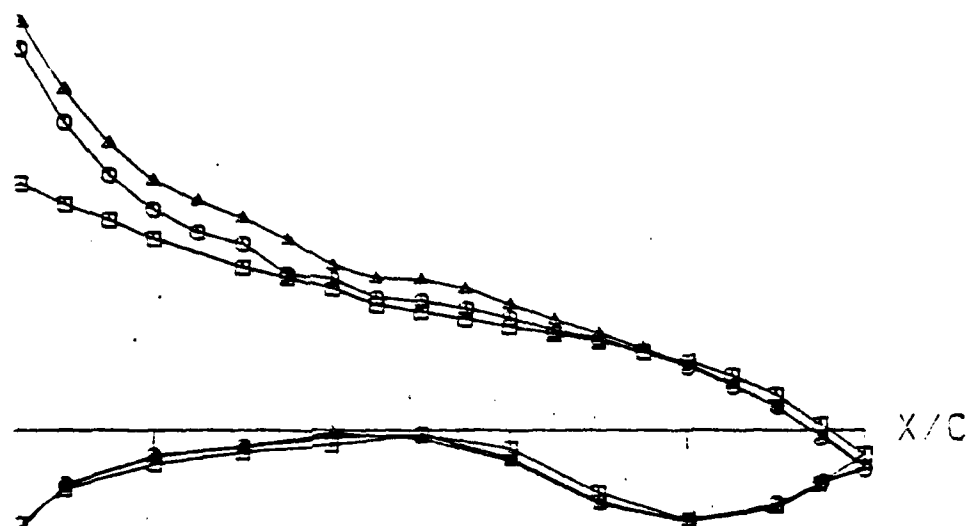


LOCKHEED CFWT SEMI-SPAN TEST, RUN 51
BASIC DATA
NUMERICALLY OPTIMIZED WING C



LOCKHEED CFWT SEMI-SPAN TEST, RUN 24
 BASIC DATA
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.701
 ALPHA = 4.949
 CLG = 0.447

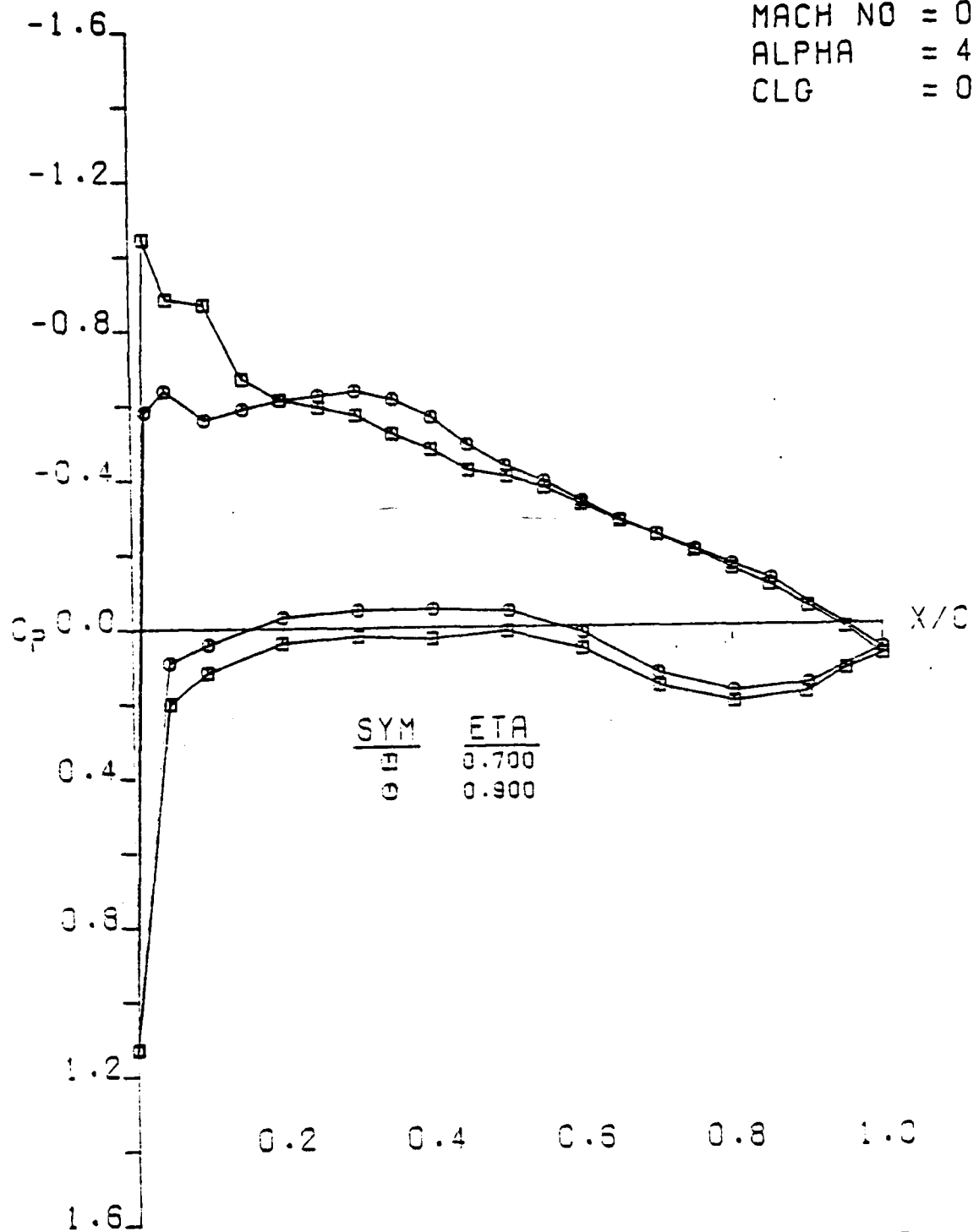


<u>SYM</u>	<u>ETA</u>
□	0.100
○	0.300
△	0.500

0.2 0.4 0.6 0.8 1.0

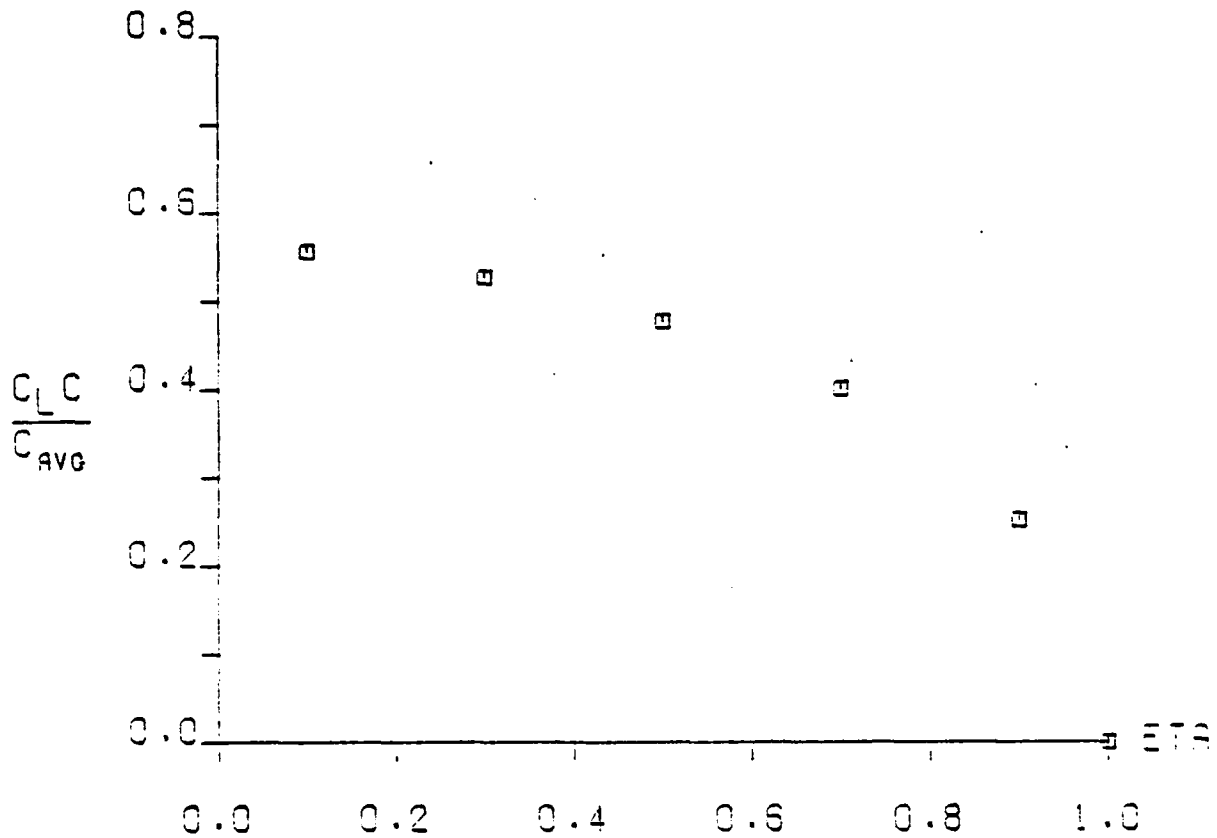
LOCKHEED CFWT SEMI-SPAN TEST, RUN 24
 BASIC DATA
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.701
 ALPHA = 4.949
 CLG = 0.447



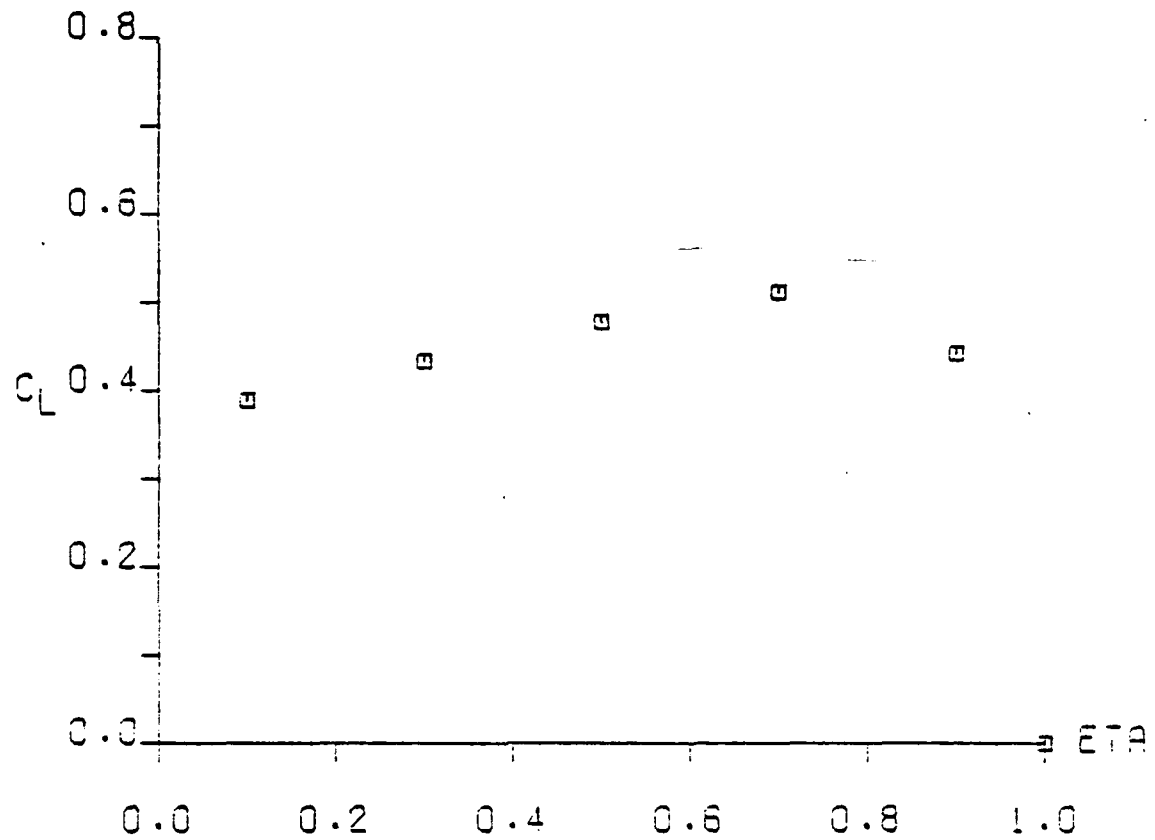
LOCKHEED CFWT SEMI-SPAN TEST, RUN 24
 BASIC DATA
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.701
ALPHA = 4.949
CLG = 0.447

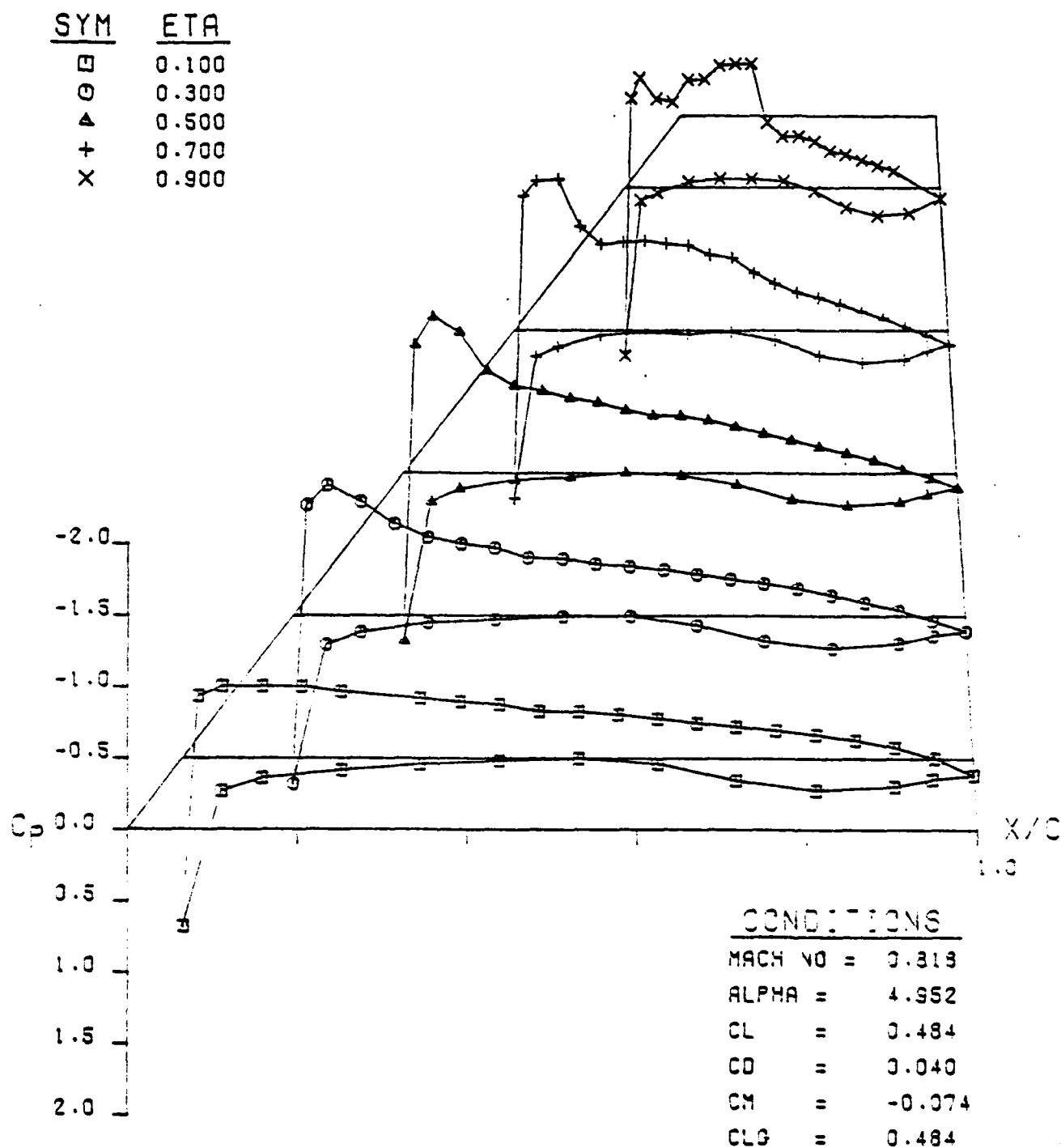


LOCKHEED CFWT SEMI-SPAN TEST, RUN 24
BASIC DATA
NUMERICALLY OPTIMIZED WING C

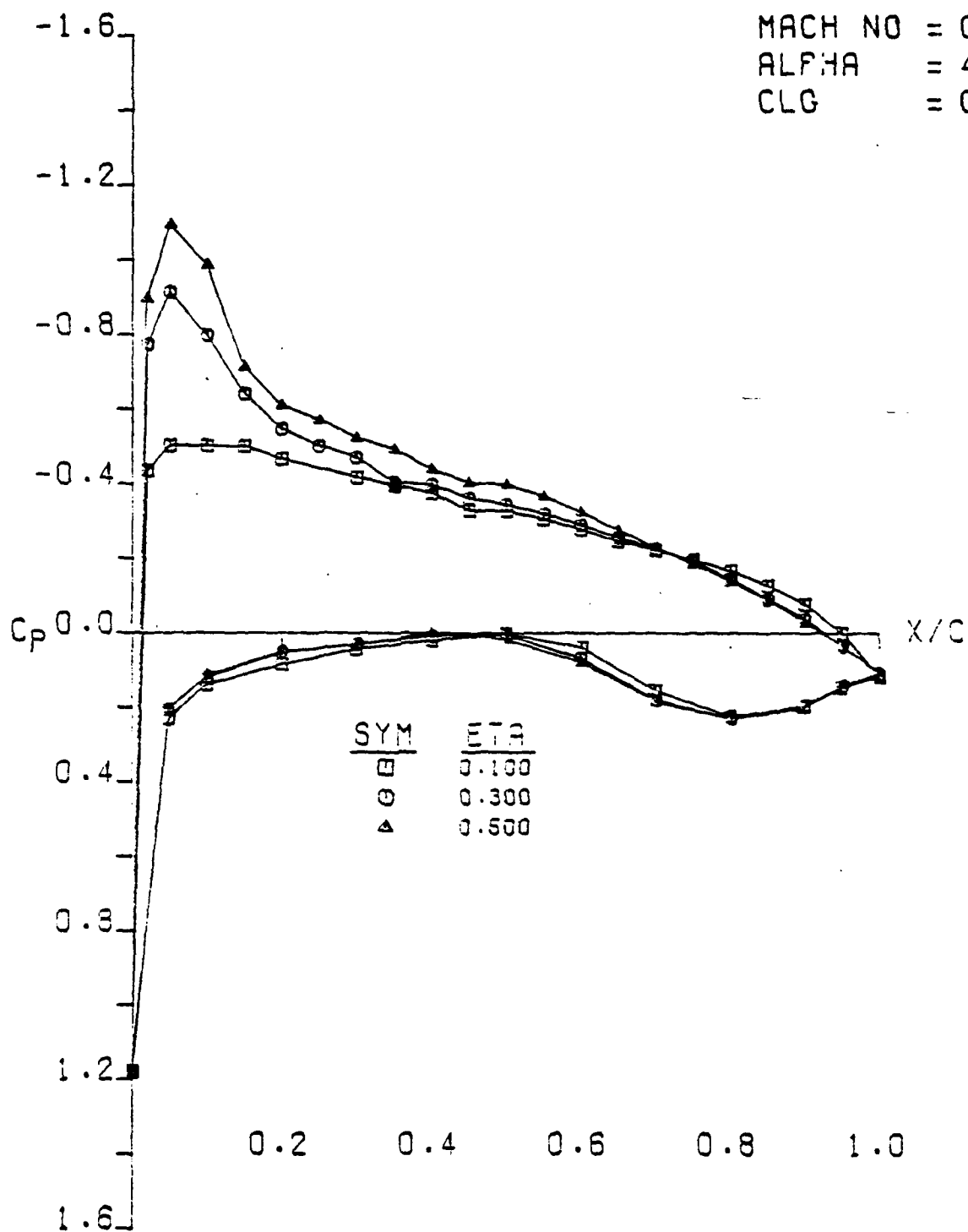
MACH NO = 0.701
ALPHA = 4.949
CLG = 0.447



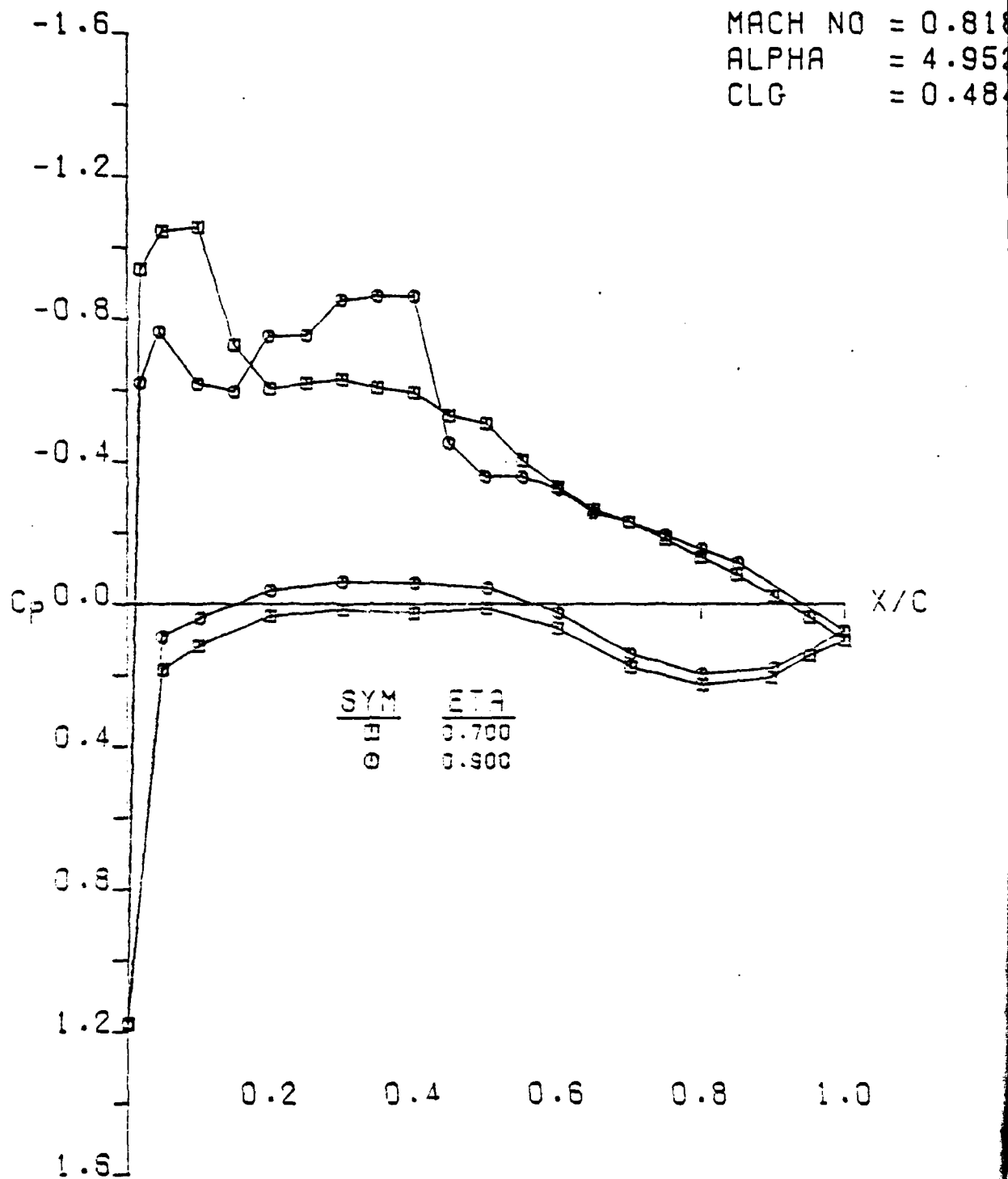
LOCKHEED CFWT SEMI-SPAN TEST, RUN 24
BASIC DATA
NUMERICALLY OPTIMIZED WING C



LOCKHEED CFWT SEMI-SPAN TEST, RUN 253
 BASIC DATA
 NUMERICALLY OPTIMIZED WING C

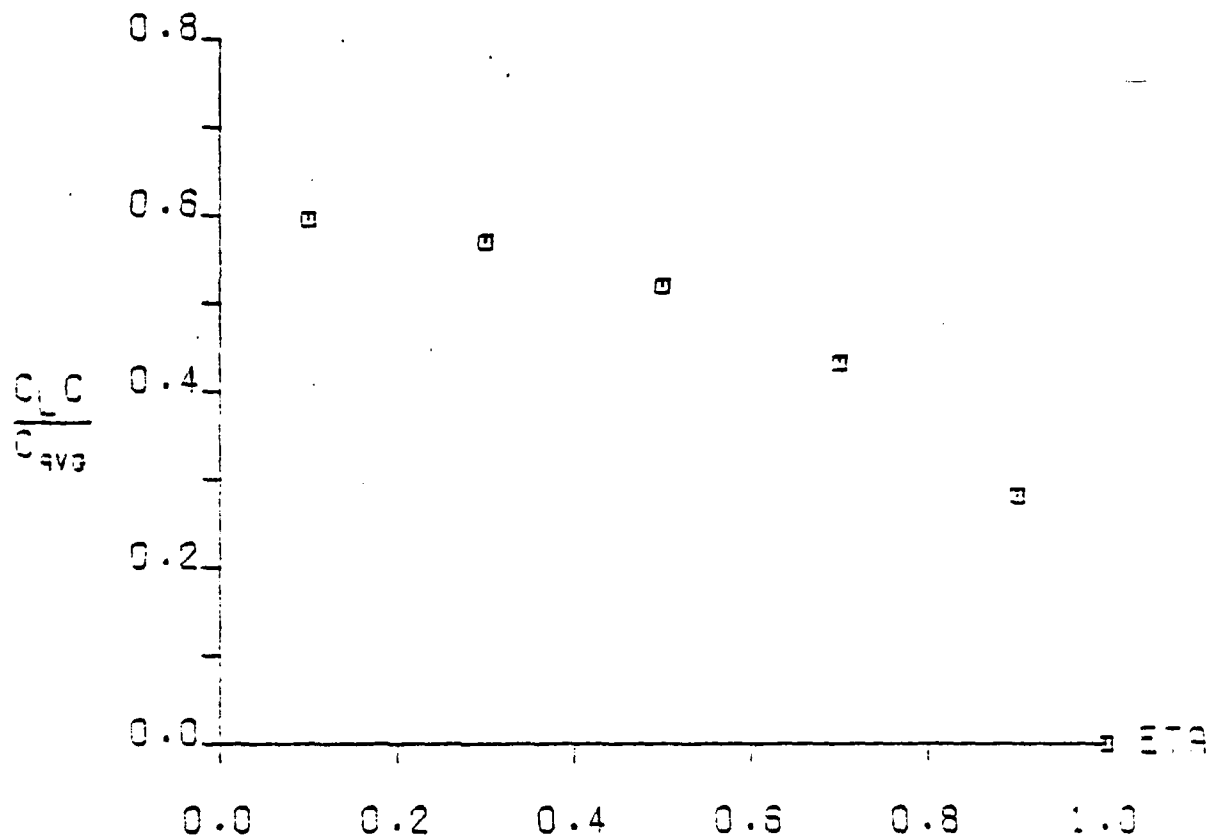


LOCKHEED CPWT SEMI-SPAN TEST, RUN 253
 BASIC DATA
 NUMERICALLY OPTIMIZED WING C



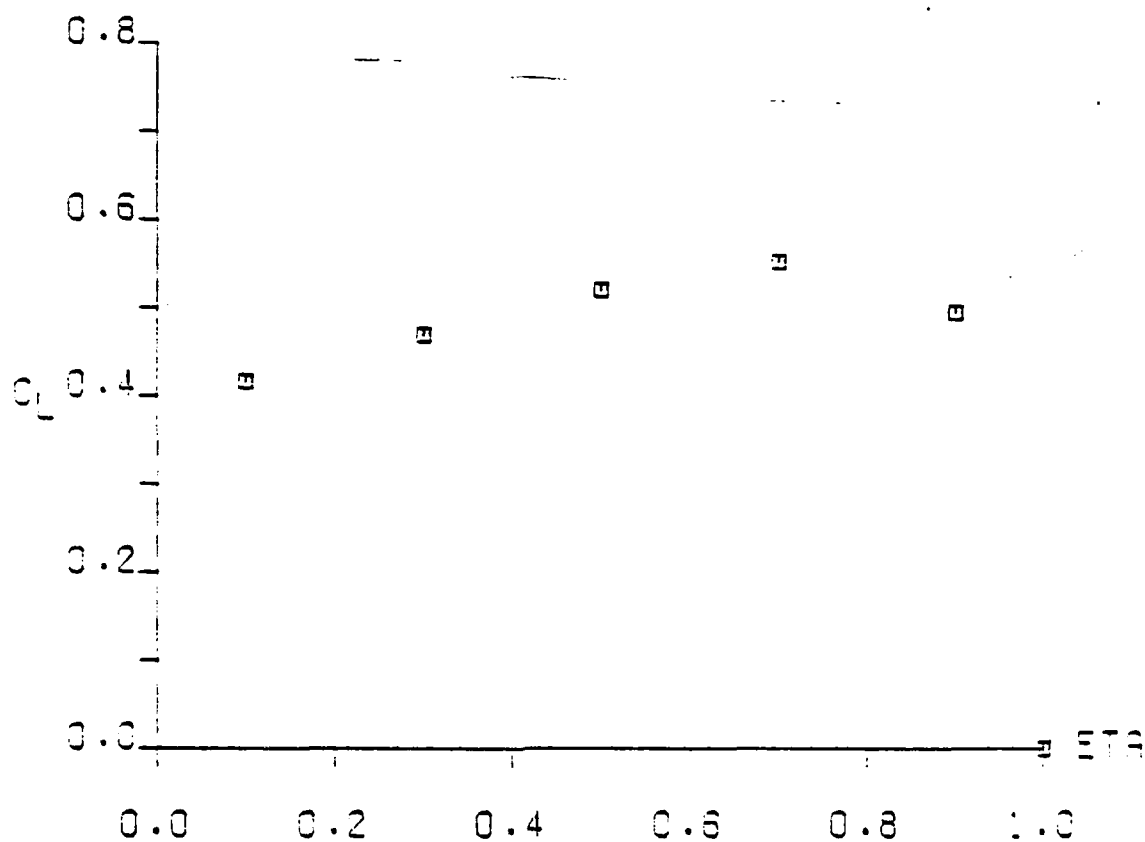
LOCKHEED CFWT SEMI-SPAN TEST, RUN 253
BASIC DATA
NUMERICALLY OPTIMIZED WING C

MACH NO = 0.818
ALPHA = 4.952
CLG = 0.484



LOCKHEED CFWT SEMI-SPAN TEST, RUN 253
BASIC DATA
NUMERICALLY OPTIMIZED WING C

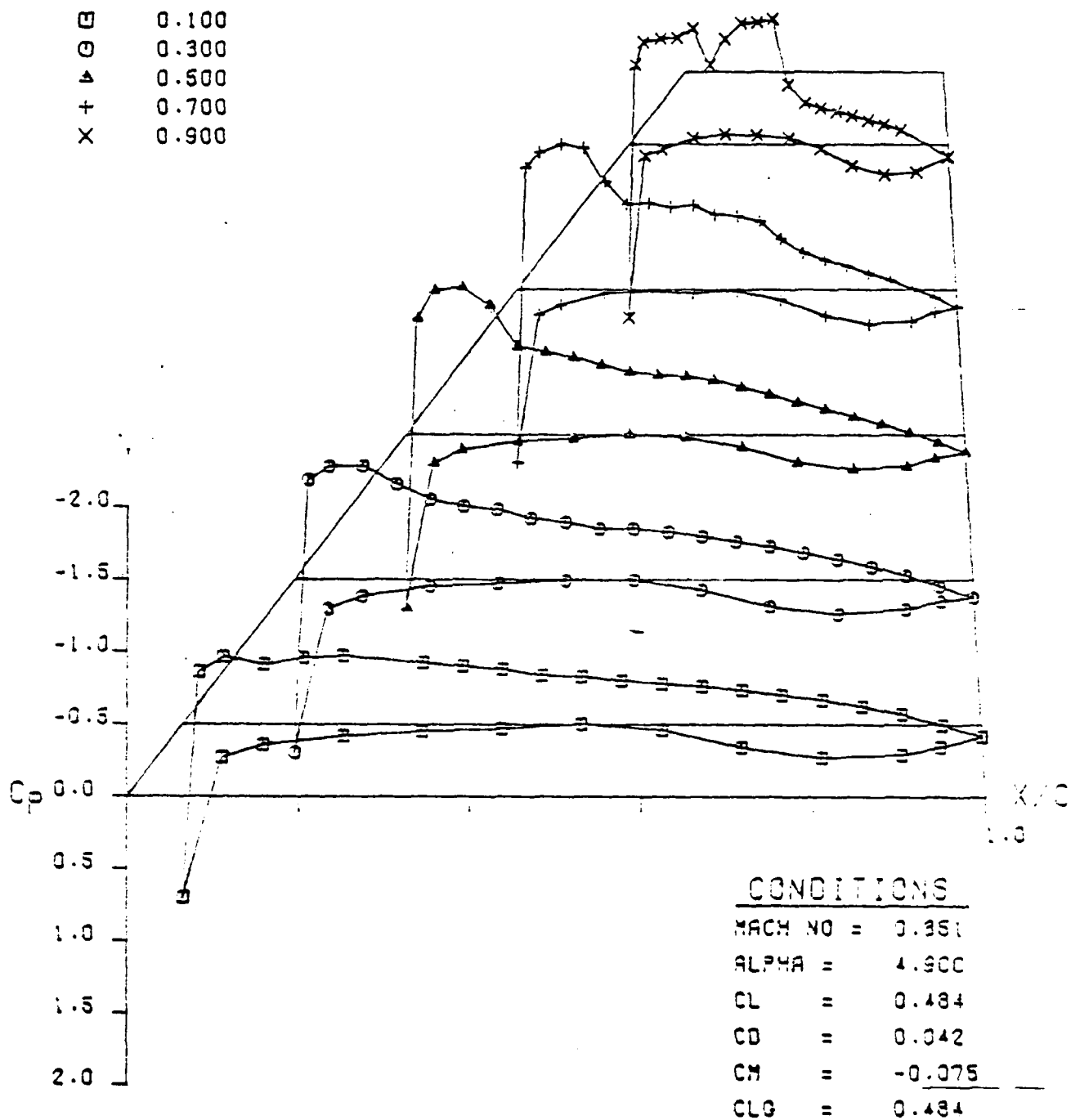
MACH NO = 0.818
ALPHA = 4.952
CLG = 0.484



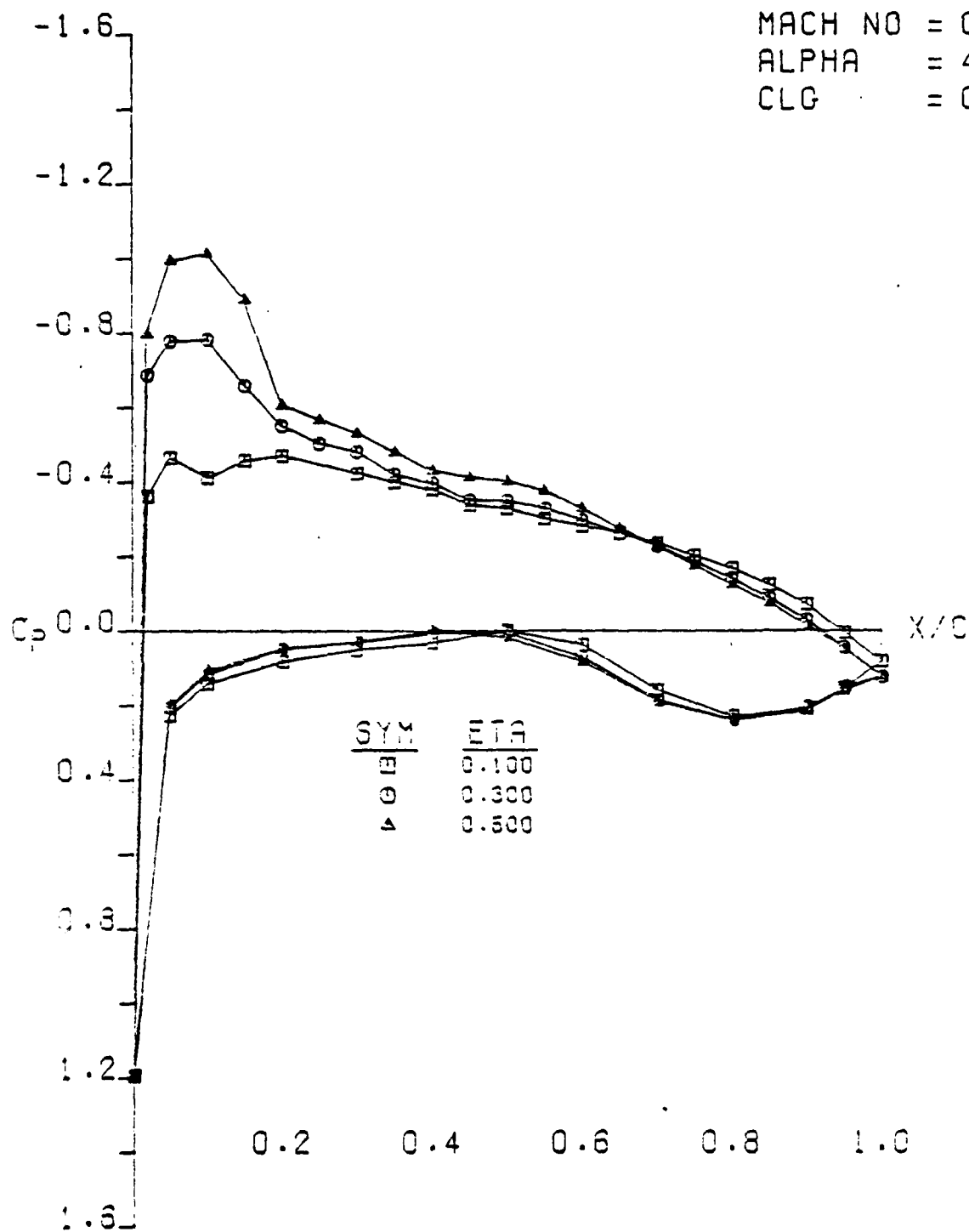
LOCKHEED CFWT SEMI-SPAN TEST, RUN 253
BASIC DATA
NUMERICALLY OPTIMIZED WING C

SYM	ETA
-----	-----

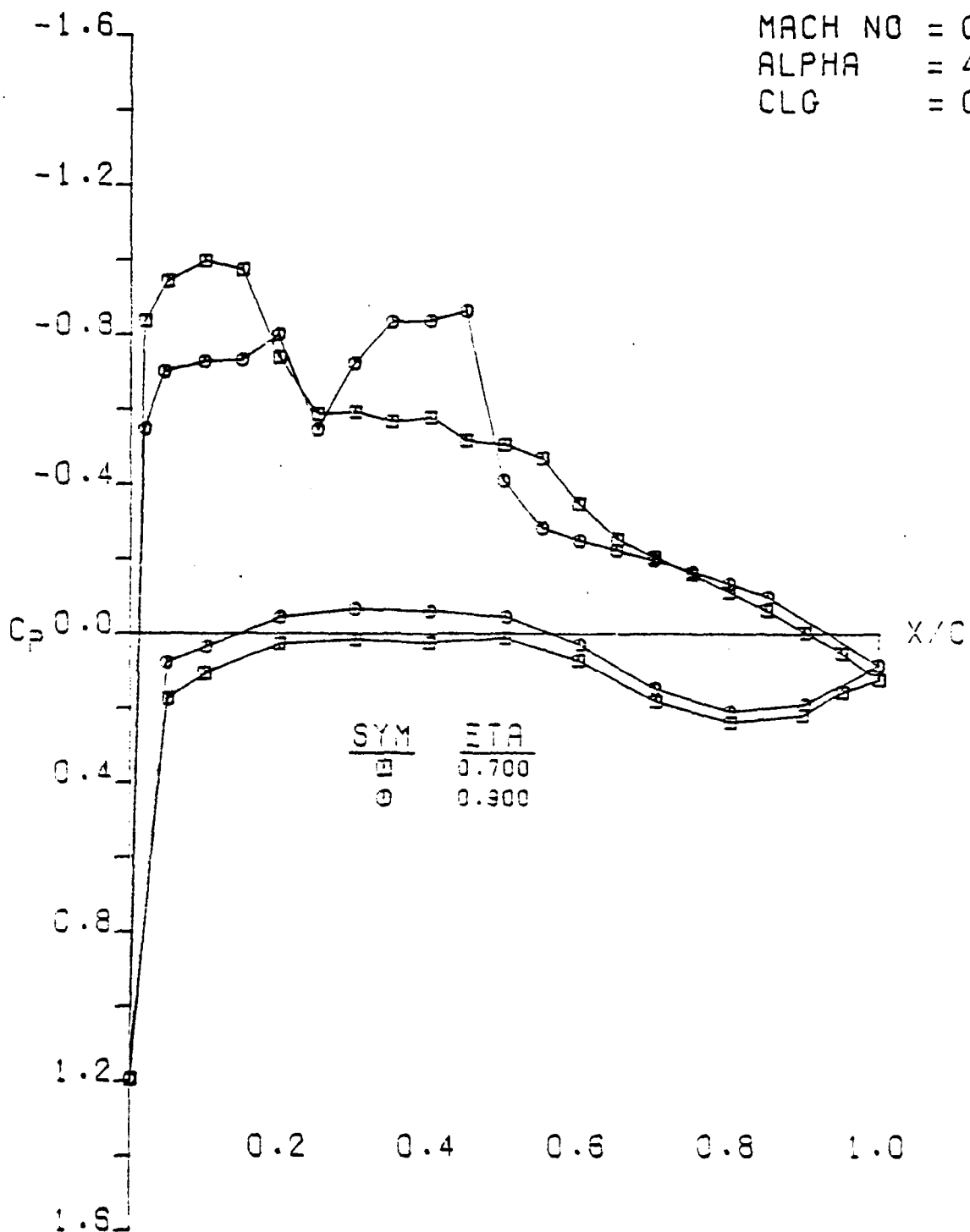
□	0.100
○	0.300
△	0.500
+	0.700
X	0.900



LOCKHEED CFWT SEMI-SPAN TEST, RUN 42
 BASIC DATA
 NUMERICALLY OPTIMIZED WING C

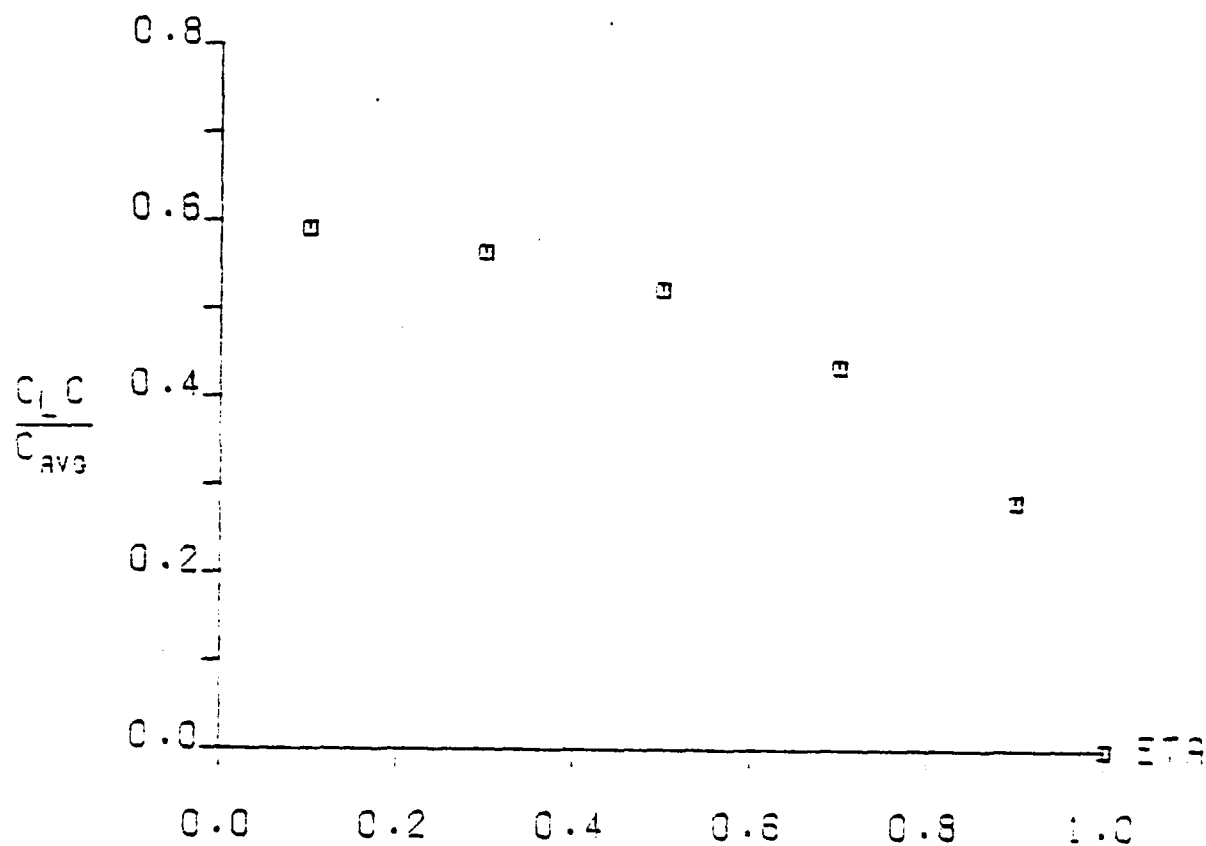


LOCKHEED CFWT SEMI-SPAN TEST, RUN 42
BASIC DATA
NUMERICALLY OPTIMIZED WING C



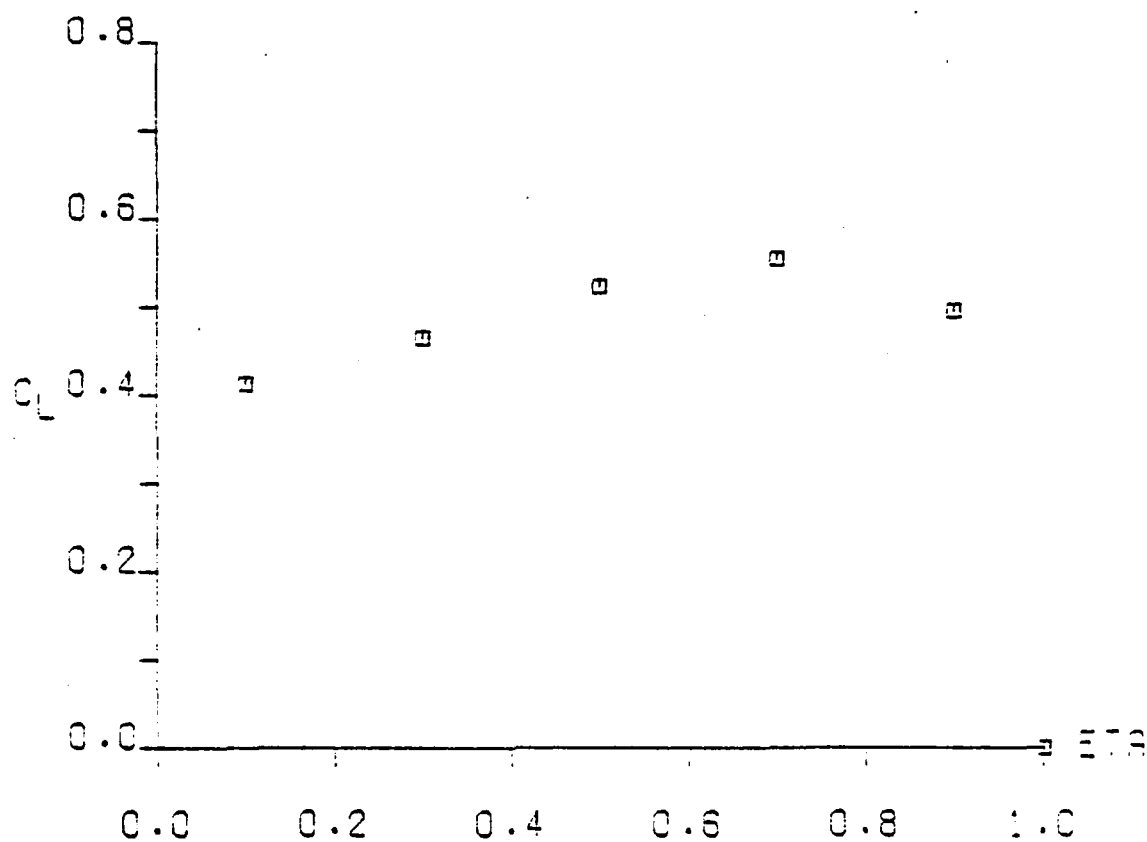
LOCKHEED CFWT SEMI-SPAN TEST, RUN 42
 BASIC DATA
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.351
ALPHA = 4.900
CLG = 0.484



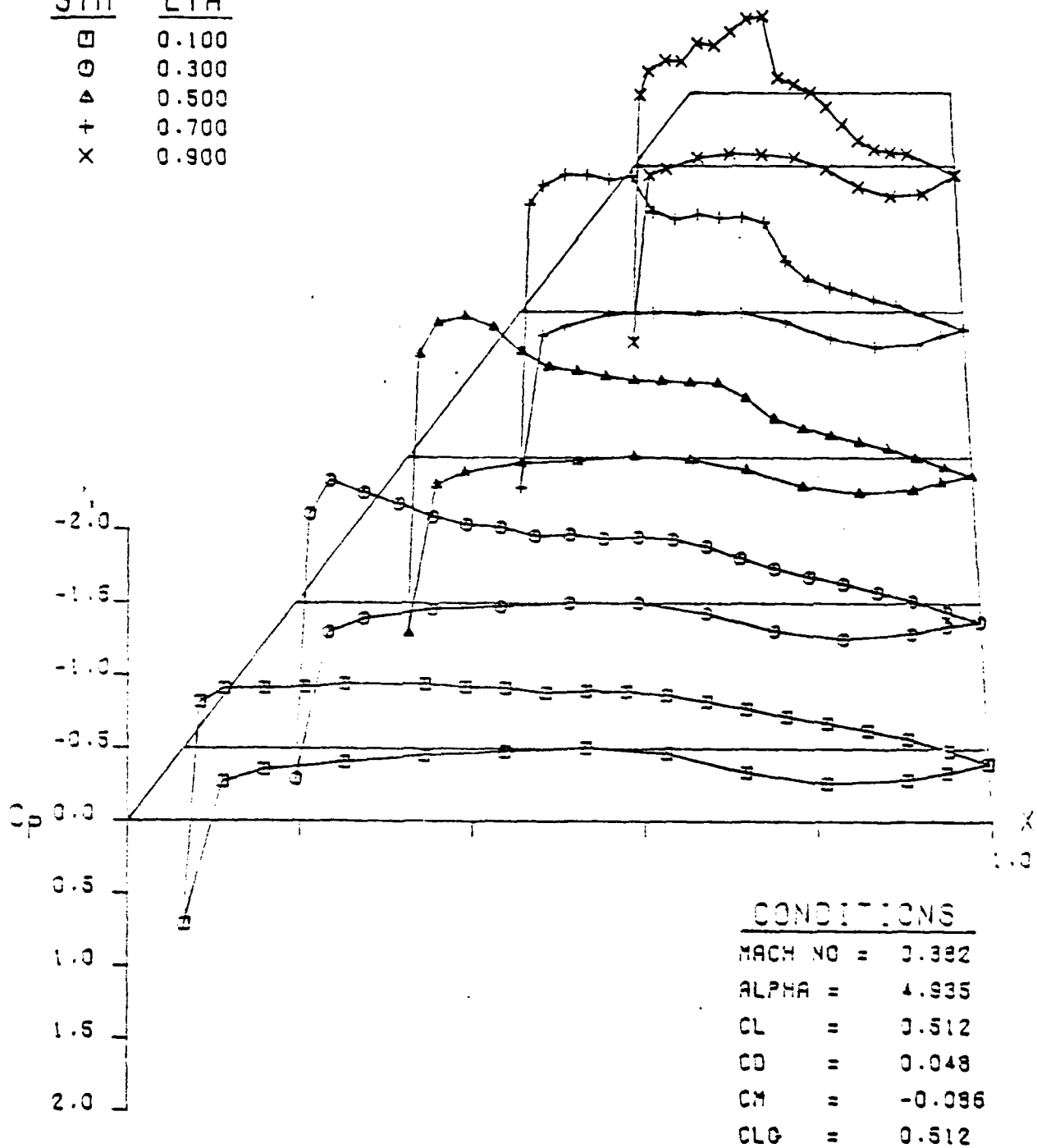
LOCKHEED CFWT SEMI-SPAN TEST, RUN 42
BASIC DATA
NUMERICALLY OPTIMIZED WING C

MACH NO = 0.851
ALPHA = 4.900
CLG = 0.484

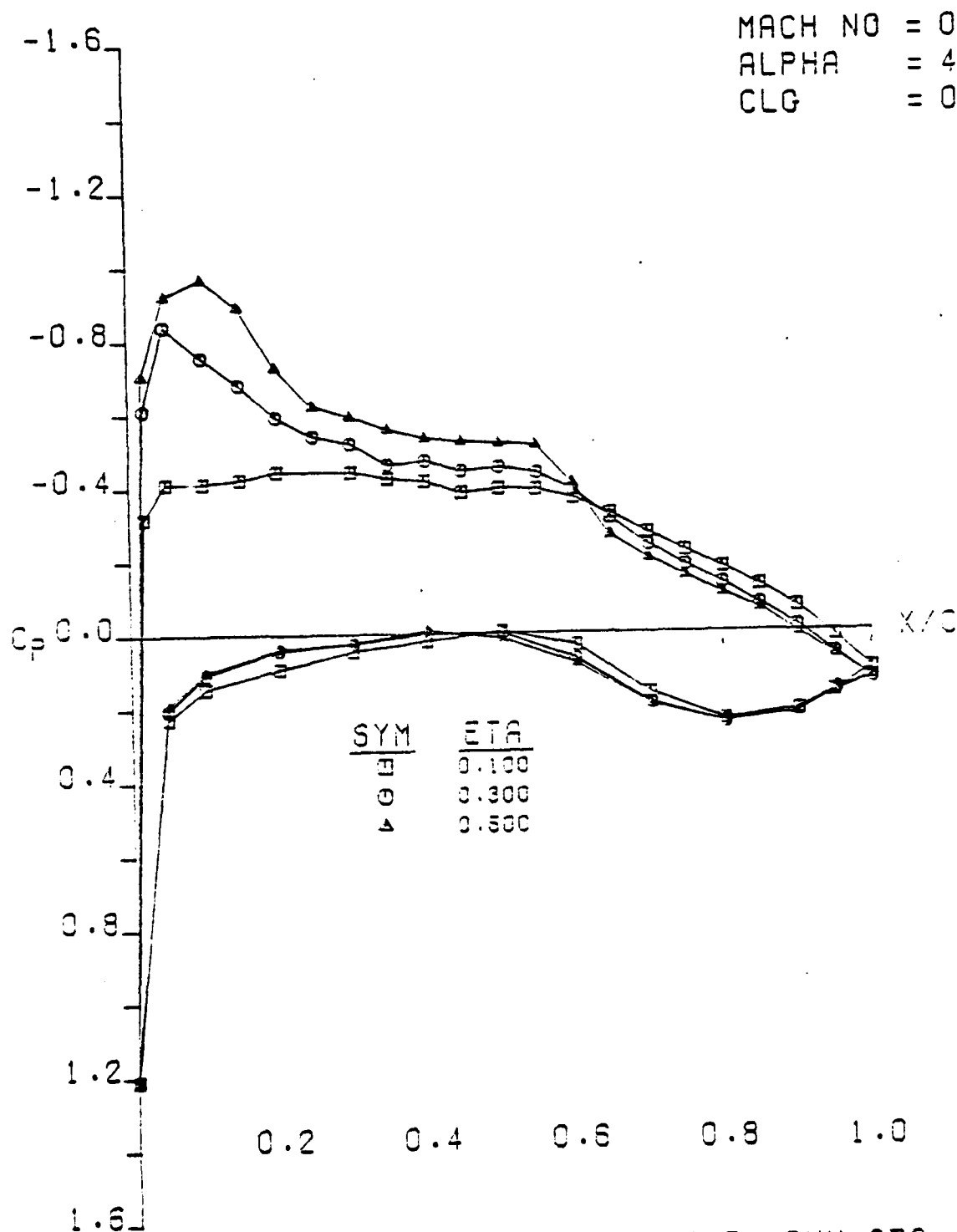


LOCKHEED CFWT SEMI-SPAN TEST, RUN 42
BASIC DATA
NUMERICALLY OPTIMIZED WING C

SYM	ETA
□	0.100
○	0.300
△	0.500
+	0.700
x	0.900



LOCKHEED CFWT SEMI-SPAN TEST, RUN 278
 BASIC DATA
 NUMERICALLY OPTIMIZED WING C

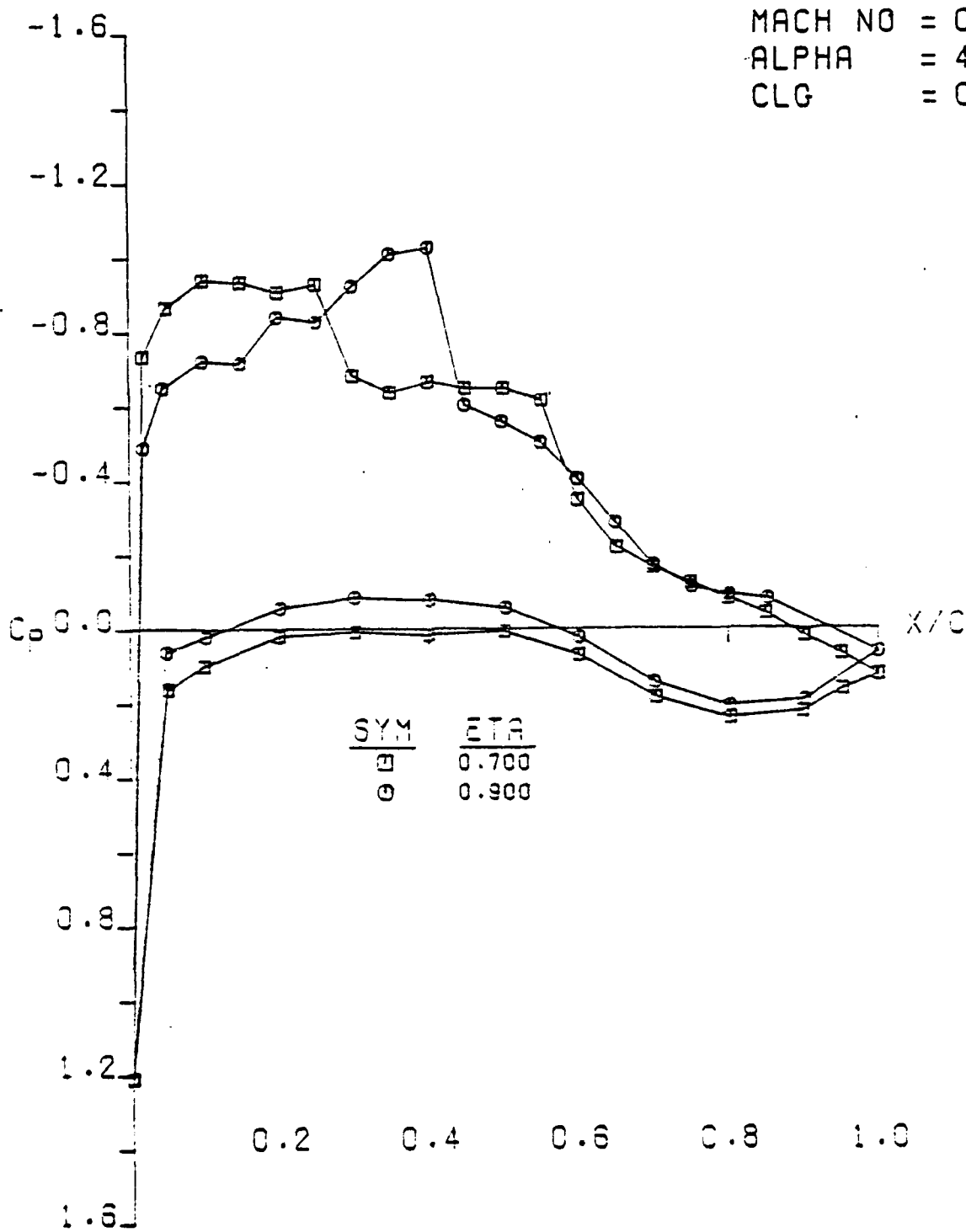


LOCKHEED CFMT SEMI-SPAN TEST, RUN 278
 BASIC DATA
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.882

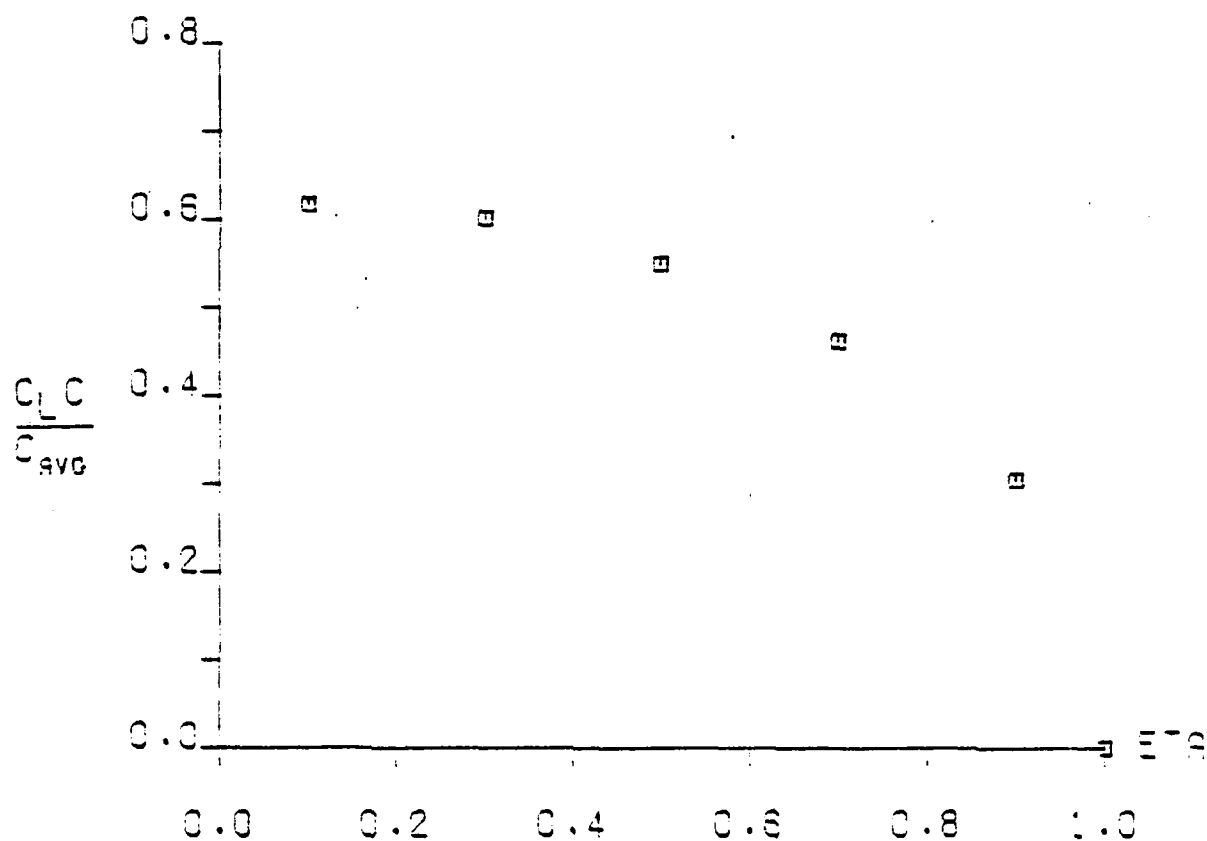
ALPHA = 4.935

CLG = 0.512



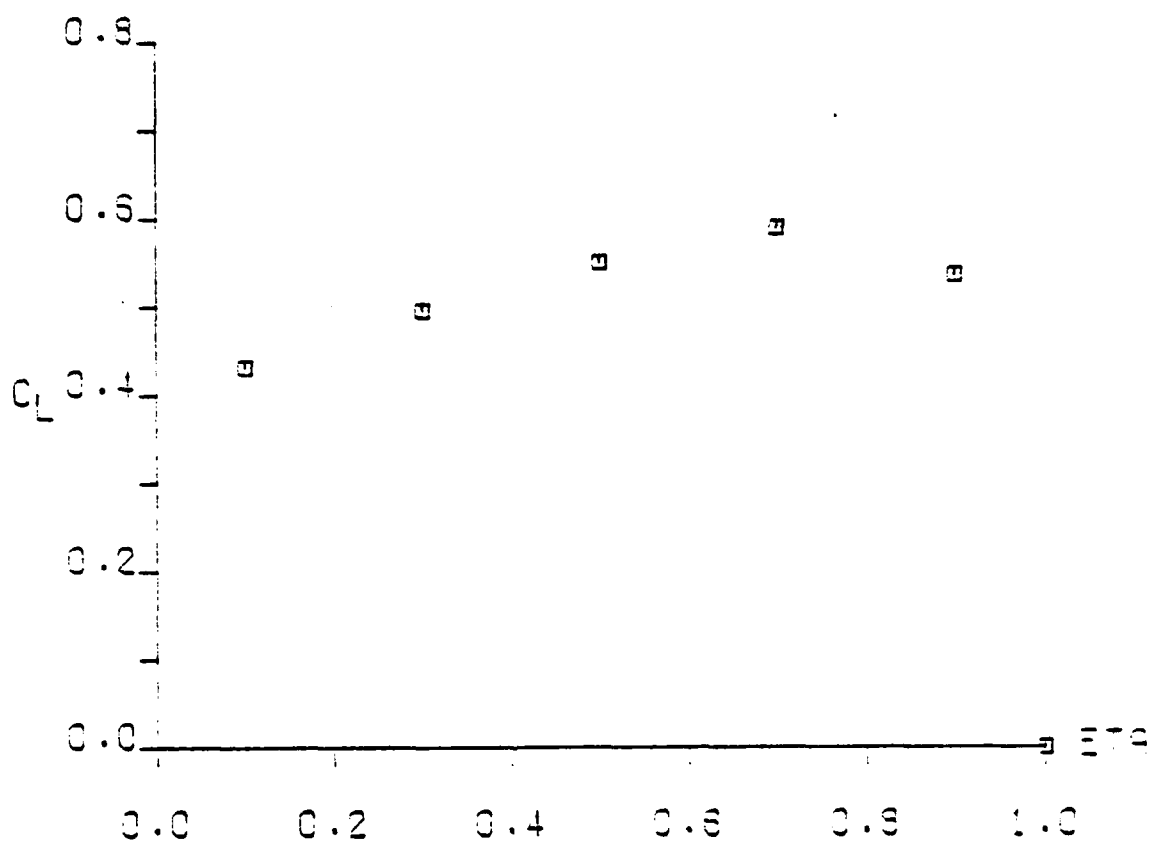
LOCKHEED CFWT SEMI-SPAN TEST. RUN 278
BASIC DATA
NUMERICALLY OPTIMIZED WING C

MACH NO = 0.882
ALPHA = 4.935
CLG = 0.512

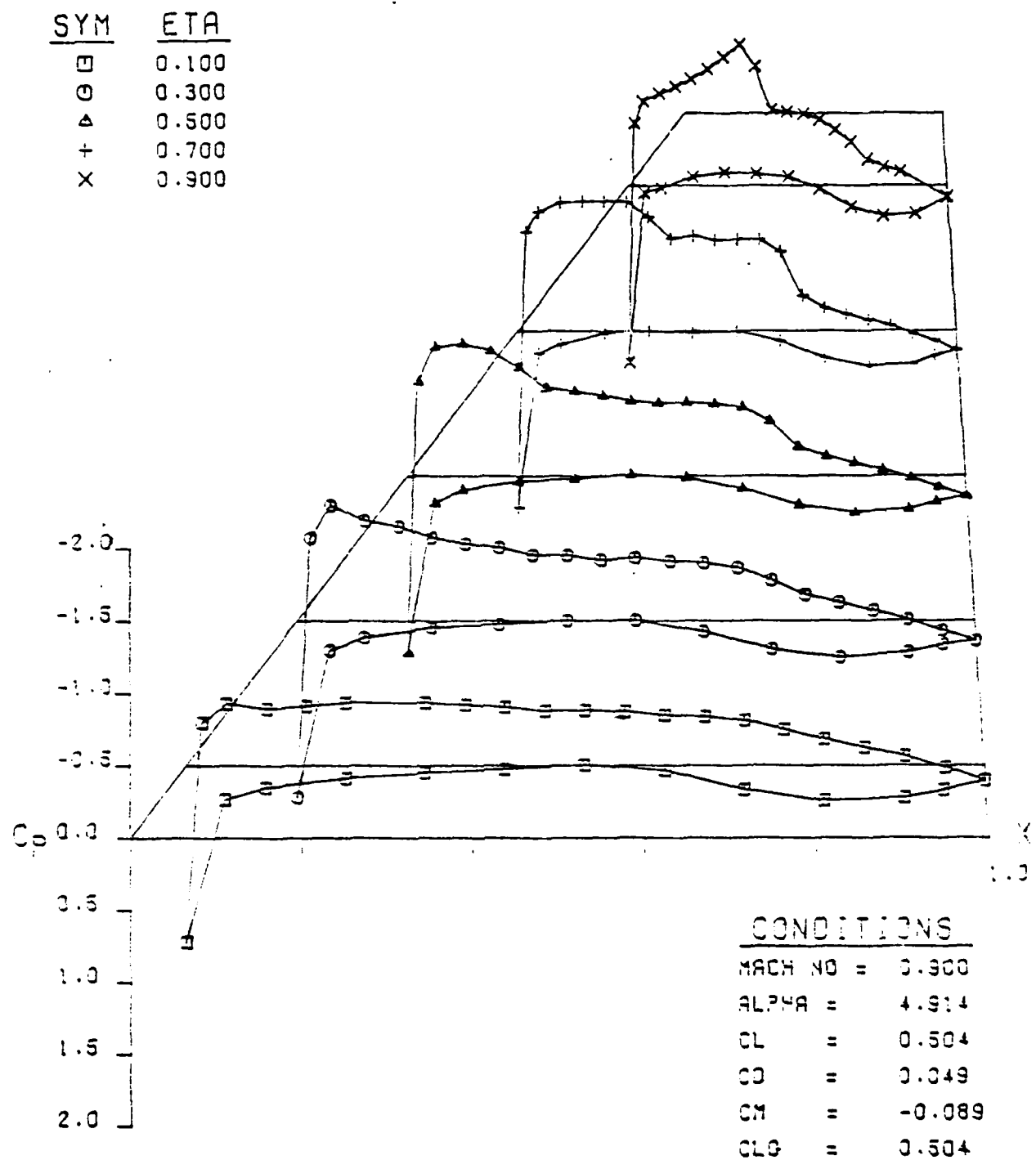


LOCKHEED CFWT SEMI-SPAN TEST, RUN 278
BASIC DATA
NUMERICALLY OPTIMIZED WING C

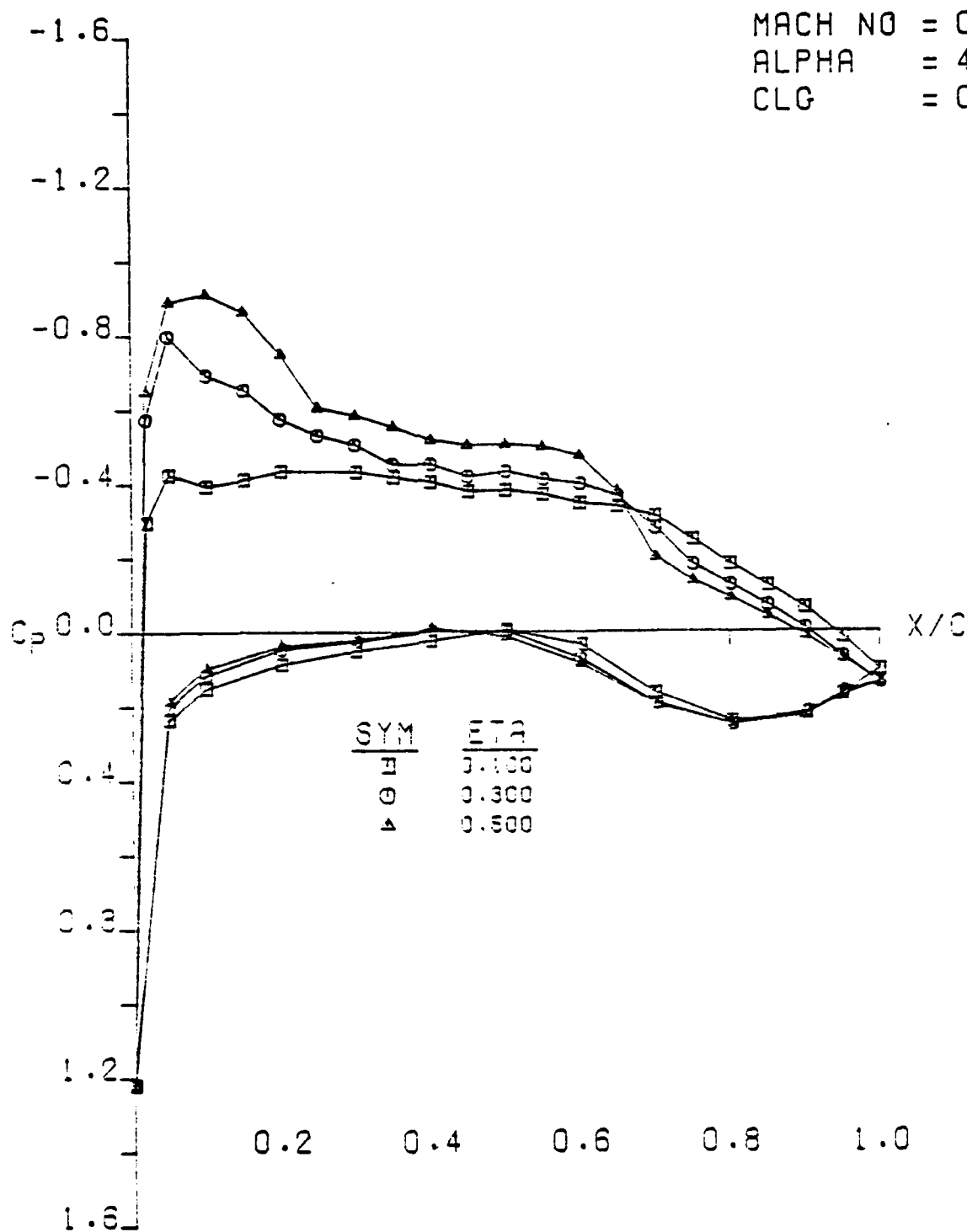
MACH NO = 0.882
ALPHA = 4.935
CLG = 0.512



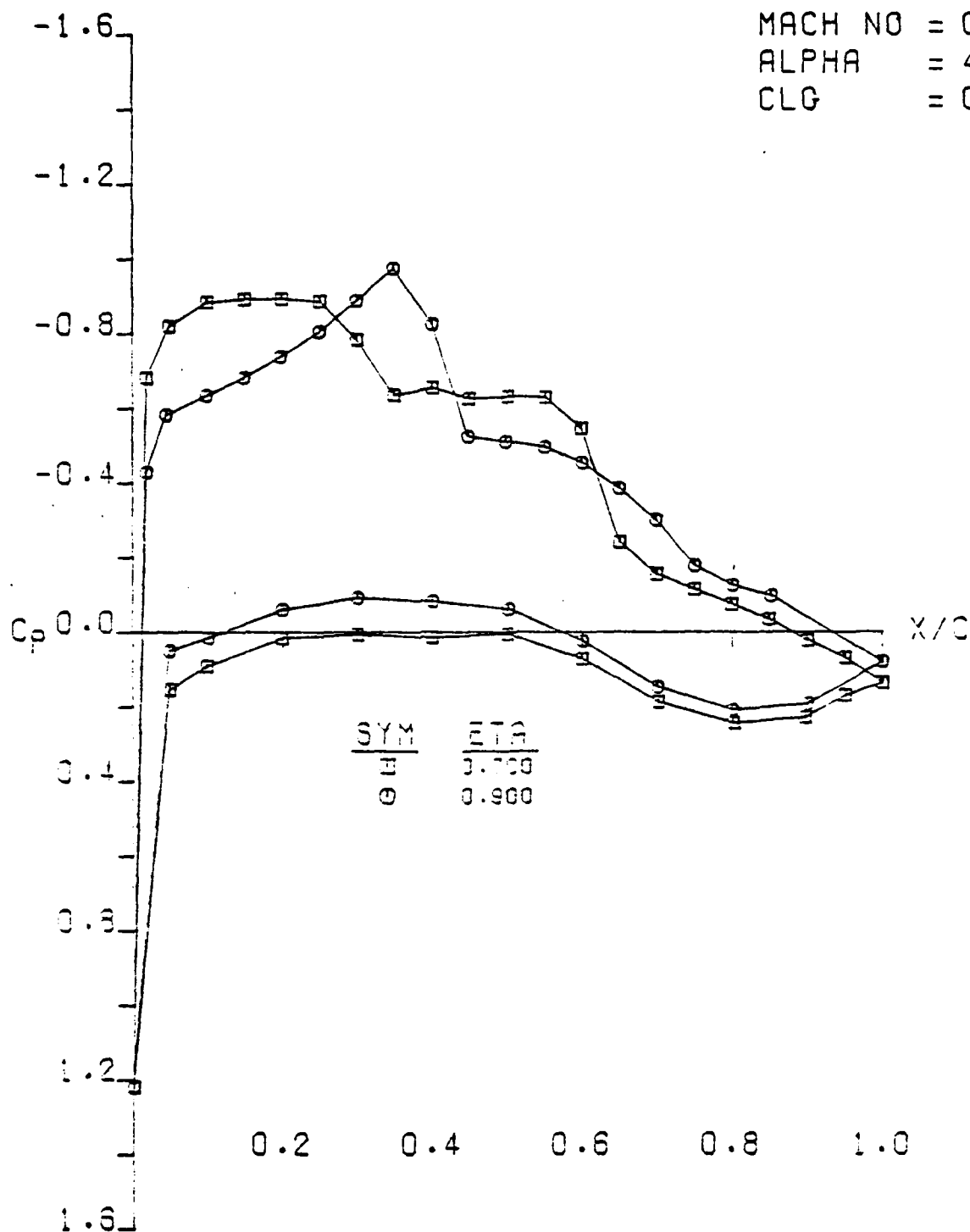
LOCKHEED CFWT SEMI-SPAN TEST, RUN 278
BASIC DATA
NUMERICALLY OPTIMIZED WING C



LOCKHEED CFWT SEMI-SPAN TEST, RUN 53
 BASIC DATA
 NUMERICALLY OPTIMIZED WING C

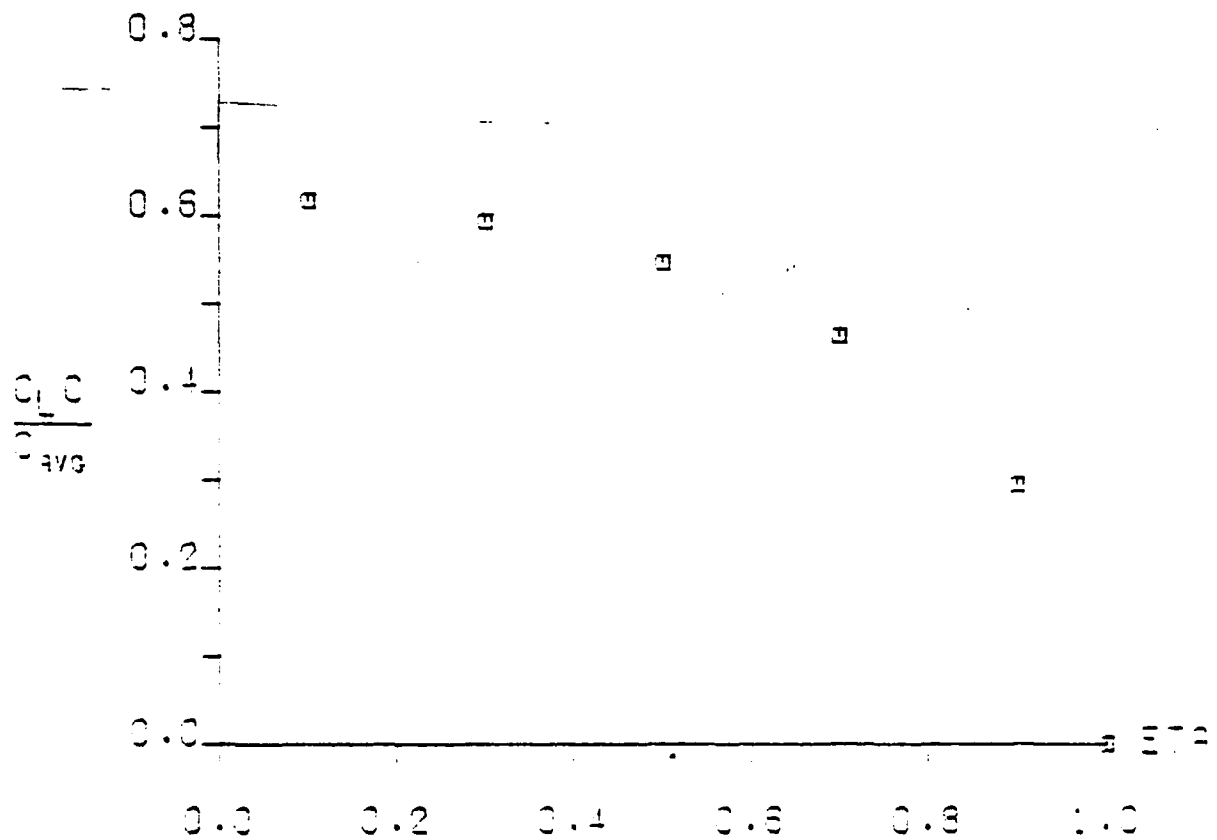


LOCKHEED CFWT SEMI-SPAN TEST, RUN 53
BASIC DATA
NUMERICALLY OPTIMIZED WING C



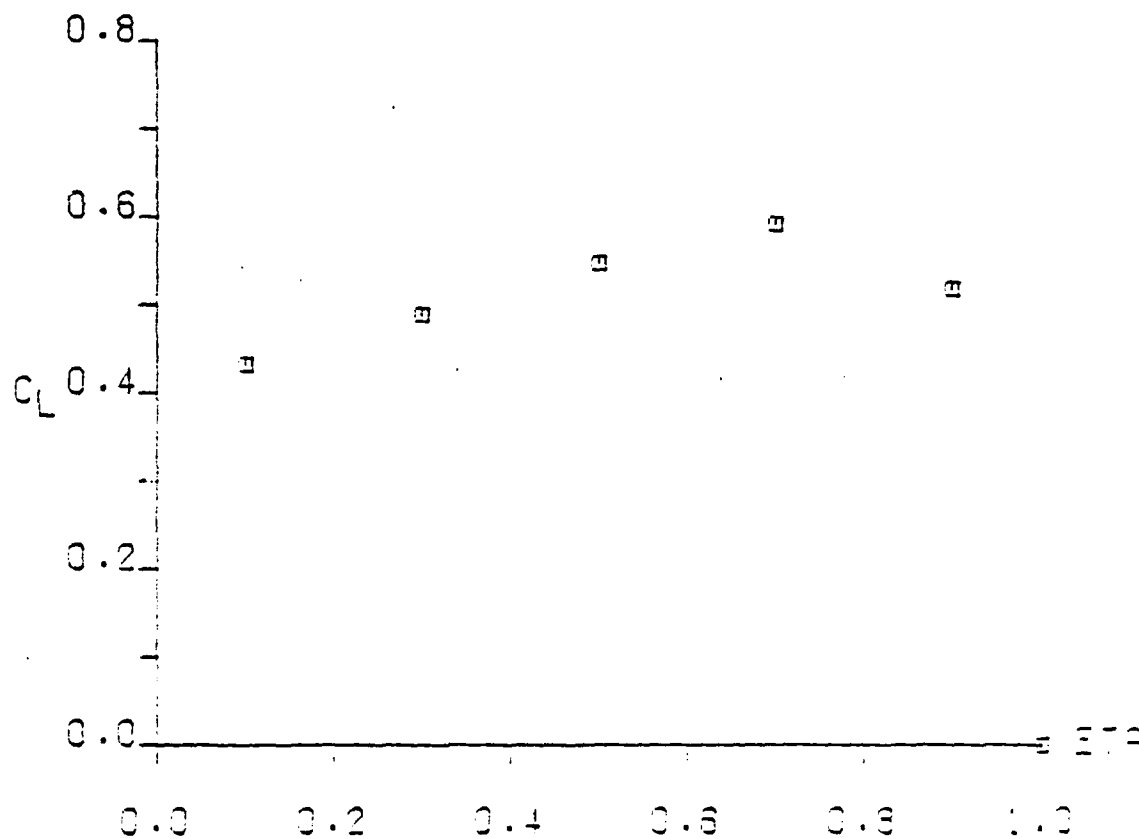
LOCKHEED CFWT SEMI-SPAN TEST, RUN 53
BASIC DATA
NUMERICALLY OPTIMIZED WING C

MACH NO = 0.900
 ALPHA = 4.914
 CLG = 0.504

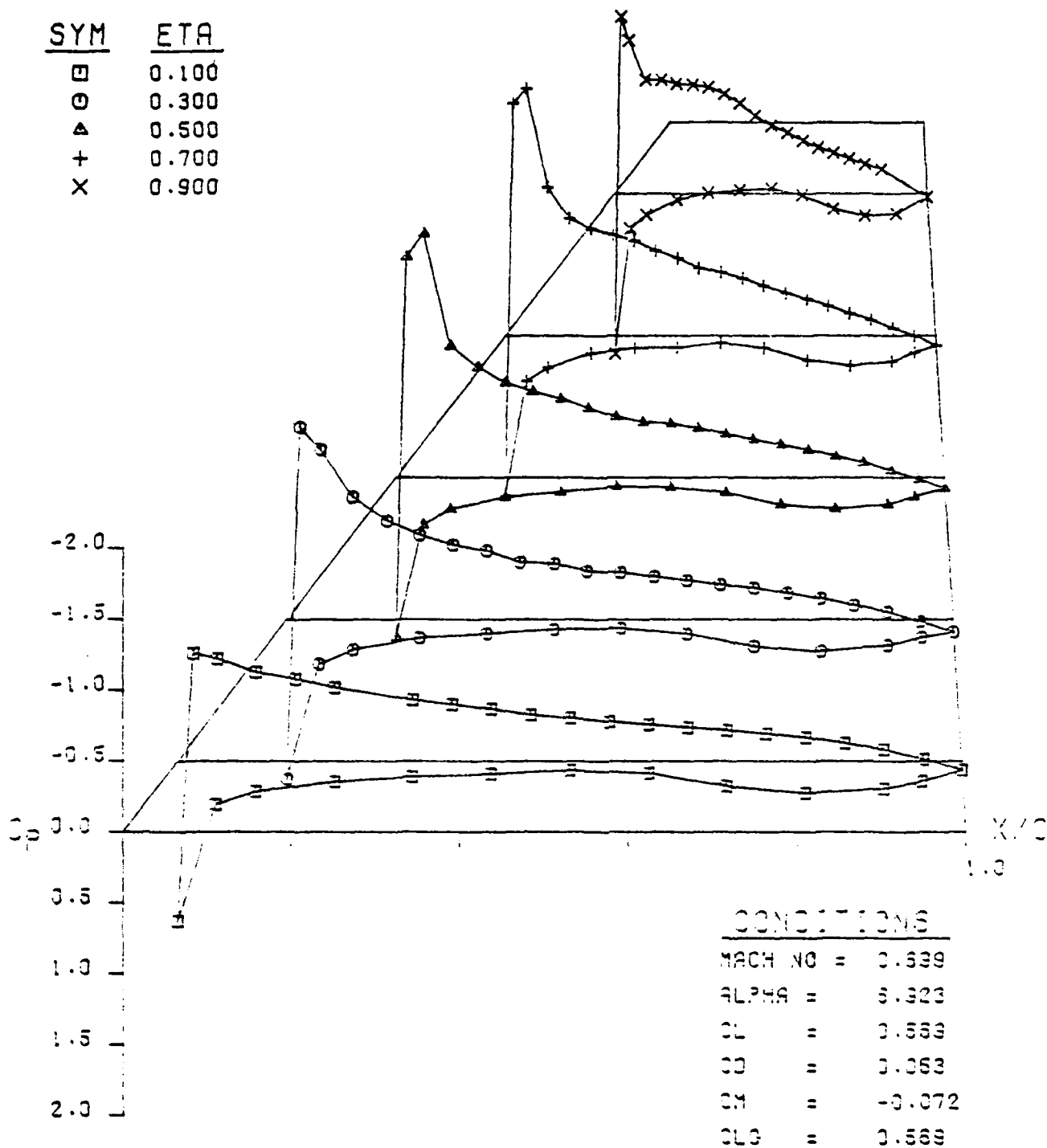


LOCKHEED CFWT SEMI-SPAN TEST, RUN 53
 BASIC DATA
 NUMERICALLY OPTIMIZED WING C

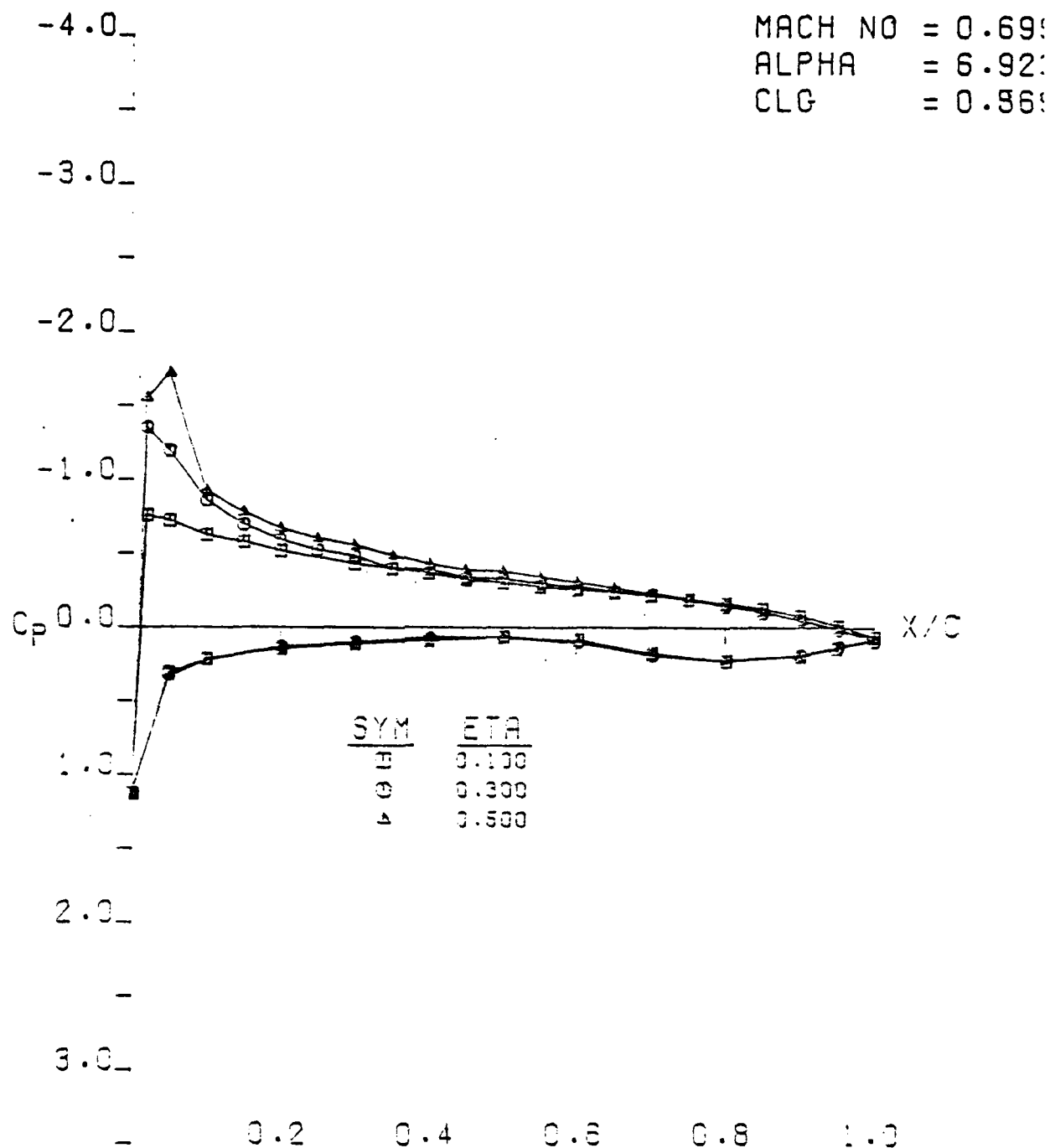
MACH NO = 0.900
ALPHA = 4.91°
CLG = 0.50°



LOCKHEED CFWT SEMI-SPAN TEST, RUN 53
BASIC DATA
NUMERICALLY OPTIMIZED WING C

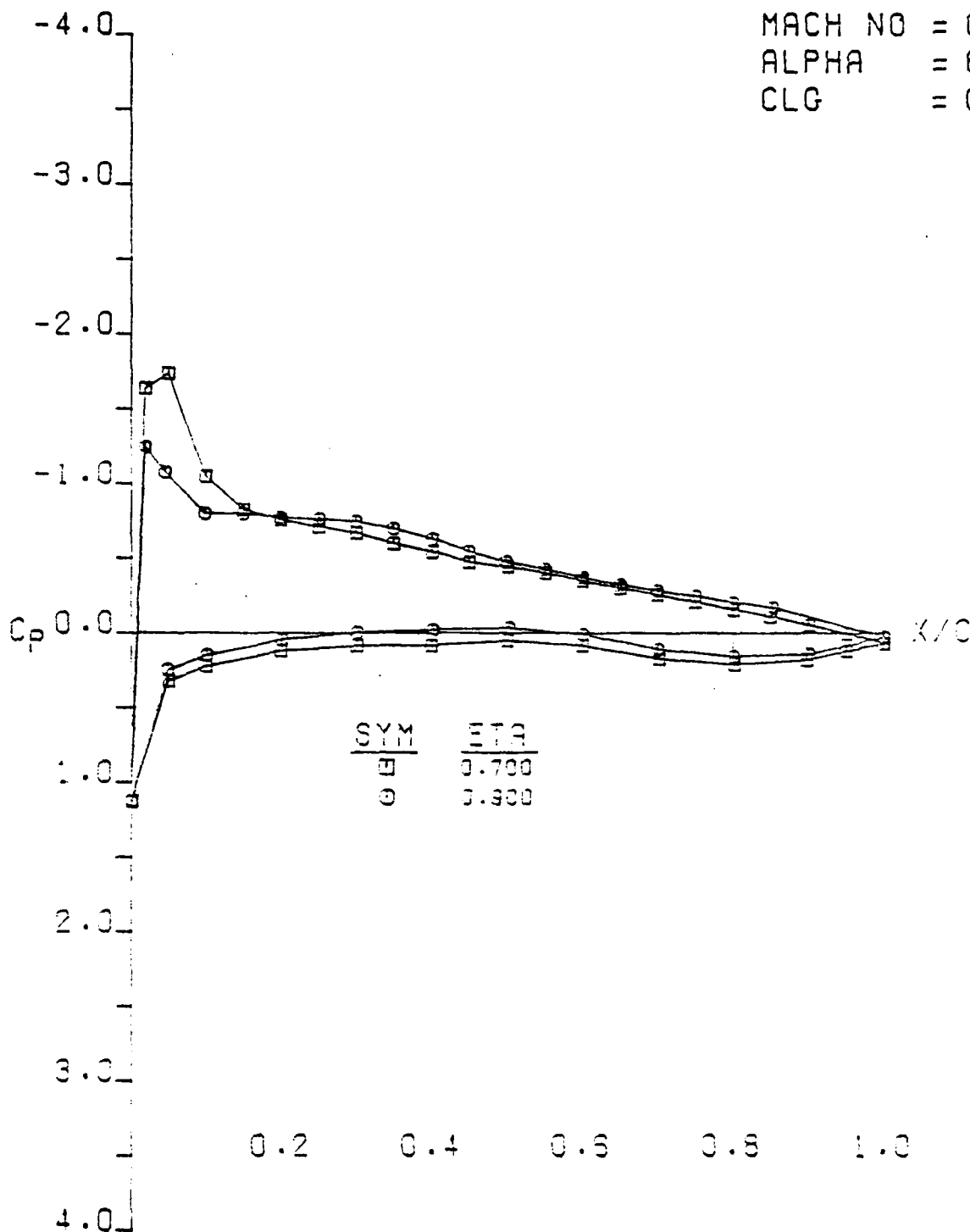


LOCKHEED CFWT SEMI-SPAN TEST, RUN 26
 BASIC DATA
 NUMERICALLY OPTIMIZED WING C



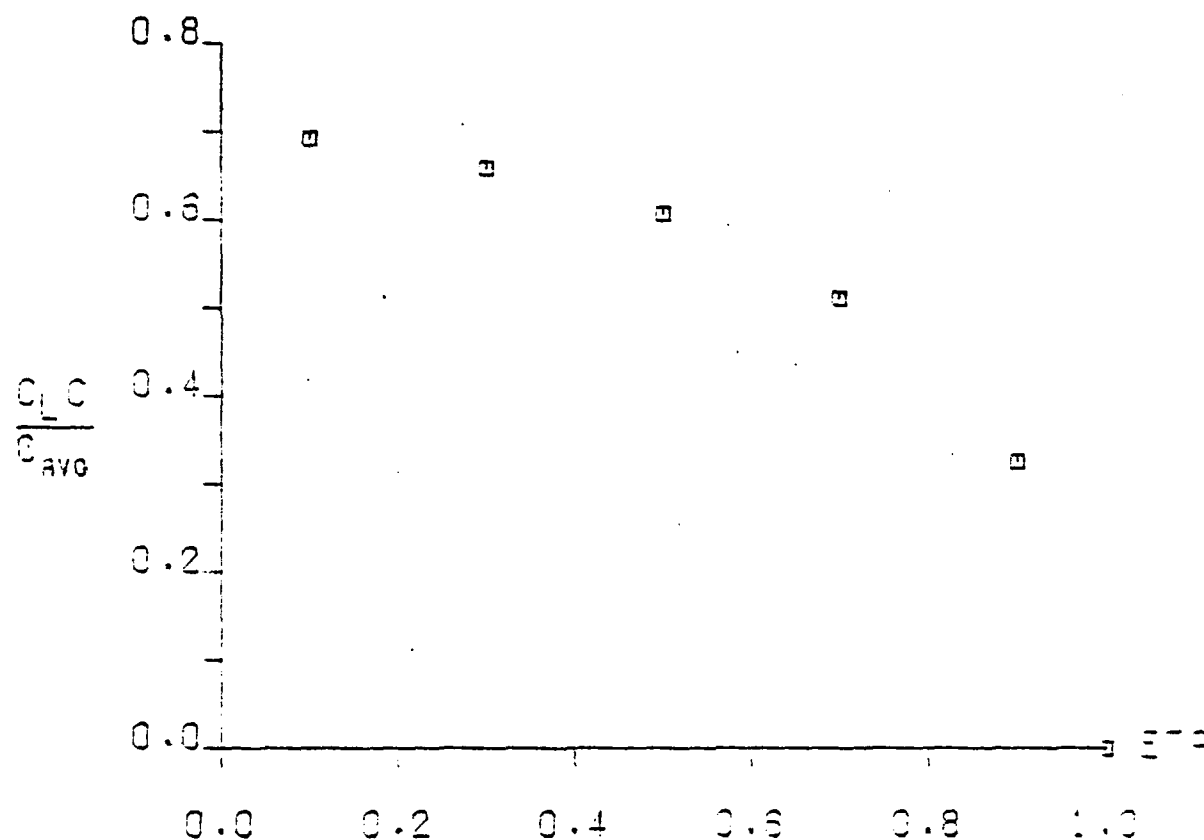
LOCKHEED CFWT SEMI-SPAN TEST, RUN 25
BASIC DATA
NUMERICALLY OPTIMIZED WING C

MACH NO = 0.699
 ALPHA = 6.923
 CLG = 0.569



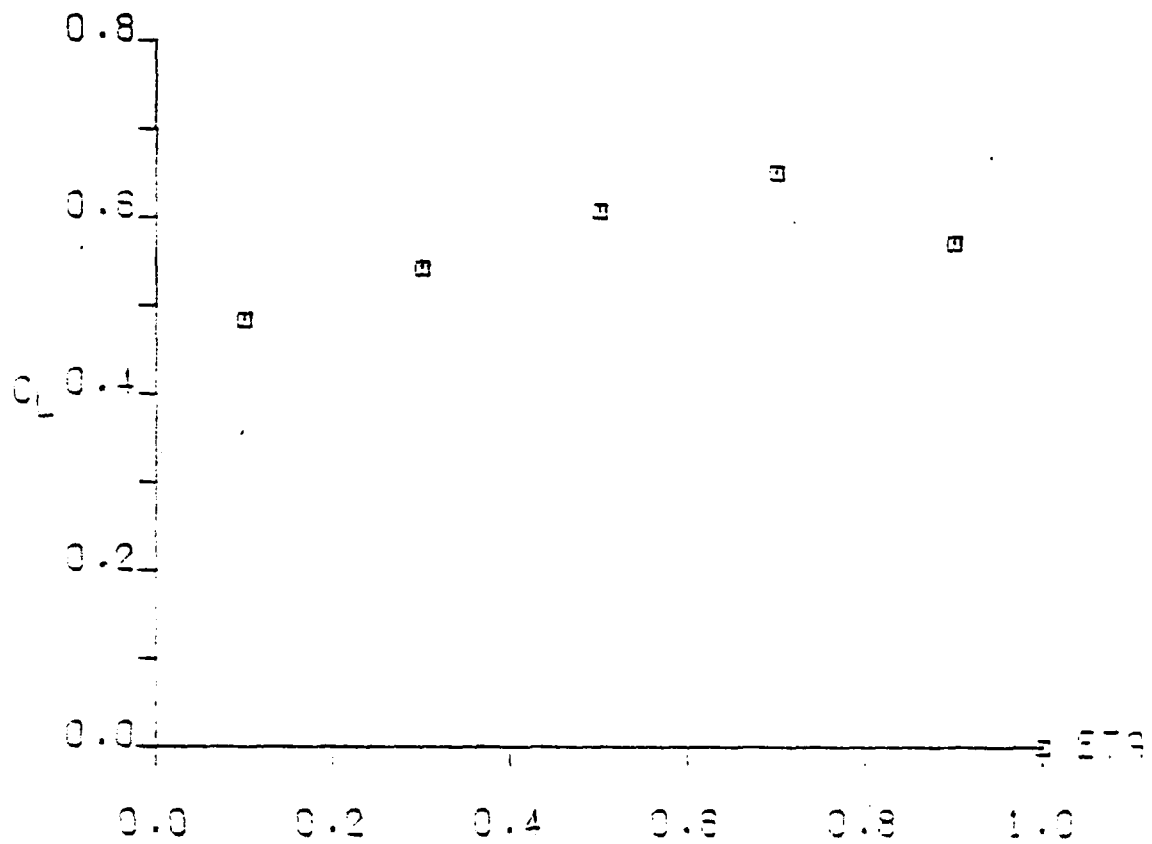
LOCKHEED CFWT SEMI-SPAN TEST, RUN 26
 BASIC DATA
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.699
ALPHA = 6.923
CLG = 0.569

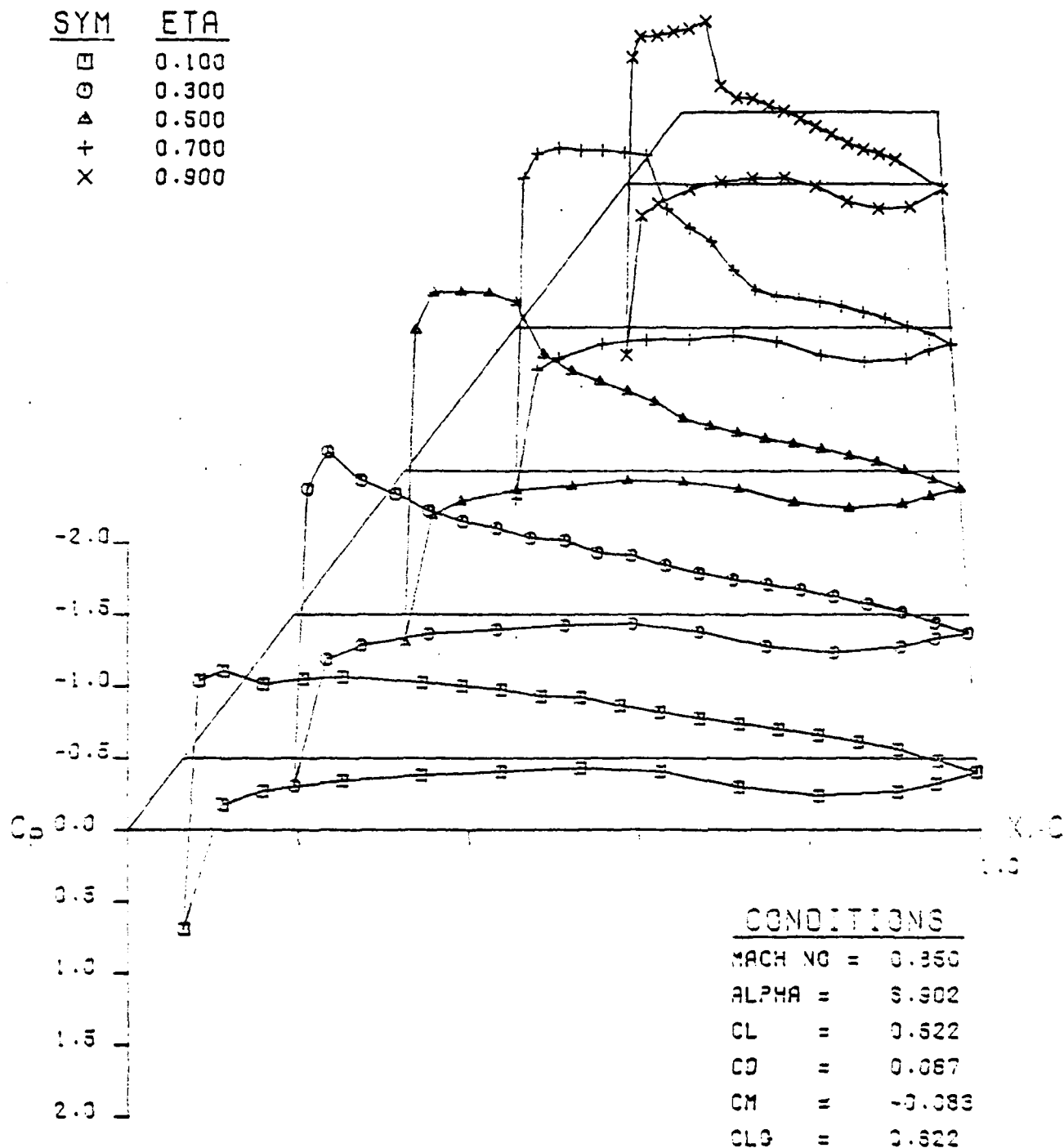


LOCKHEED CFWT SEMI-SPAN TEST, RUN 26
BASIC DATA
NUMERICALLY OPTIMIZED WING C

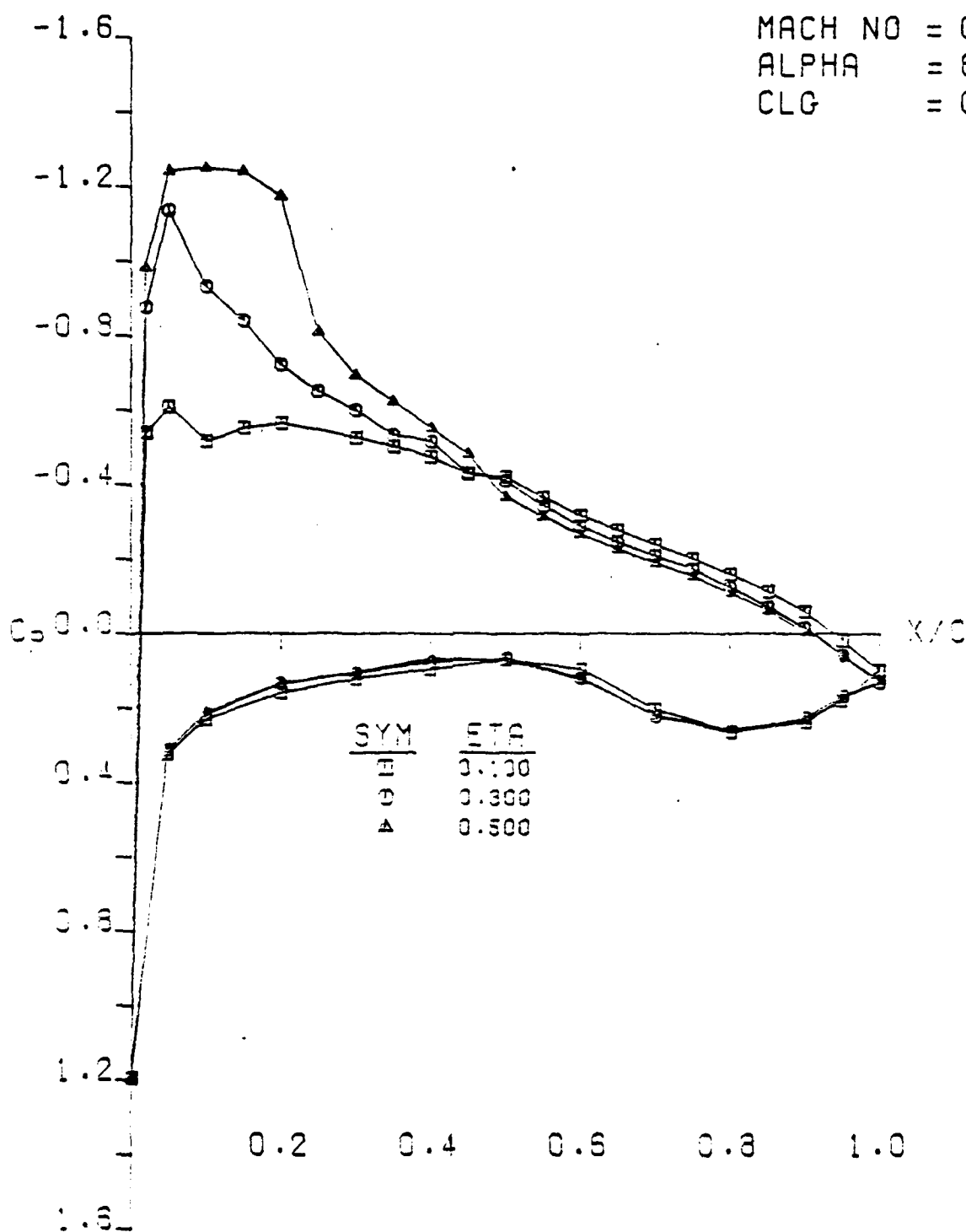
MACH NO = 0.699
ALPHA = 6.923
CLG = 0.569



LOCKHEED CFWT SEMI-SPAN TEST, RUN 26
BASIC DATA
NUMERICALLY OPTIMIZED WING C

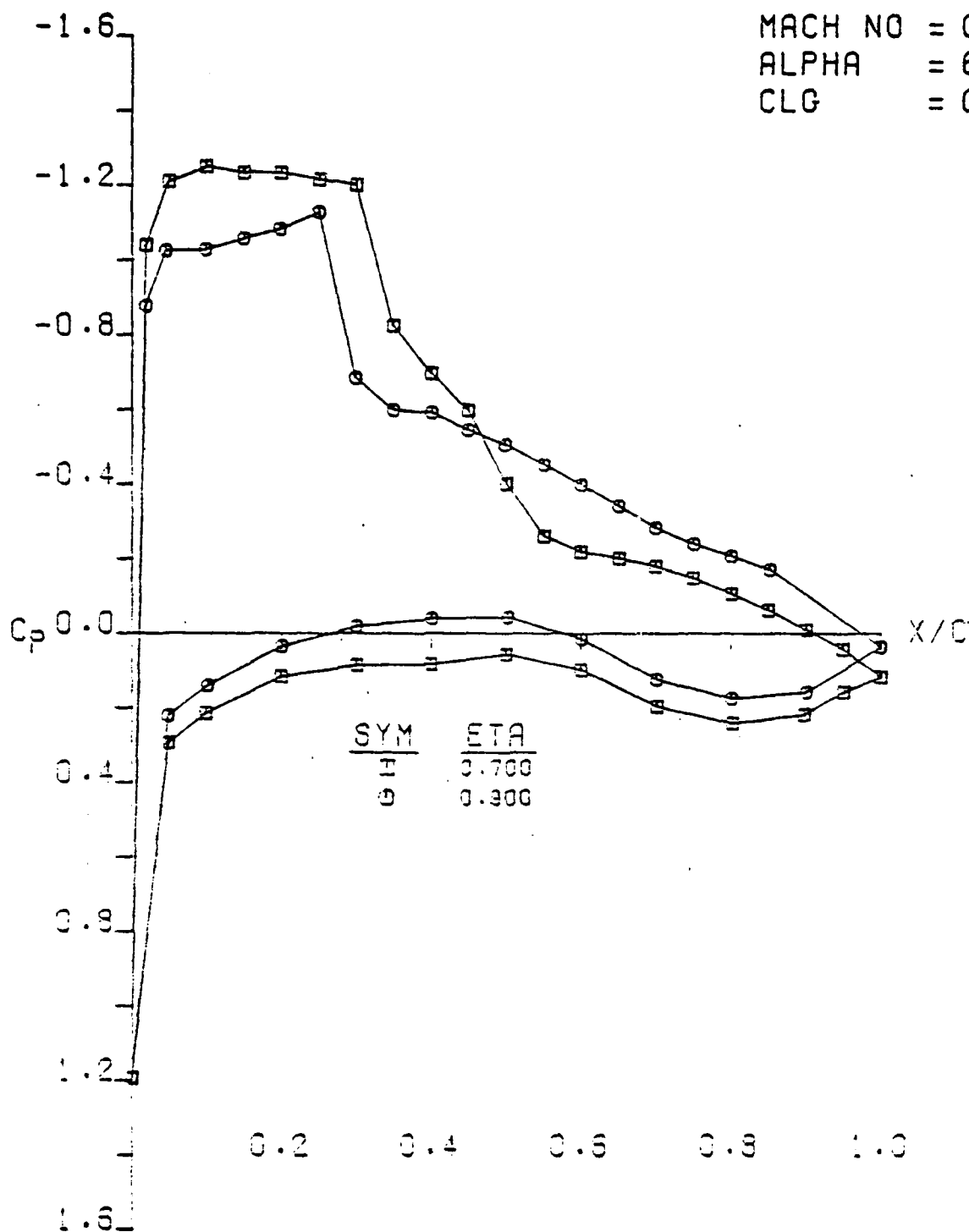


LOCKHEED CFWT SEMI-SPAN TEST, RUN 44
 BASIC DATA
 NUMERICALLY OPTIMIZED WING C



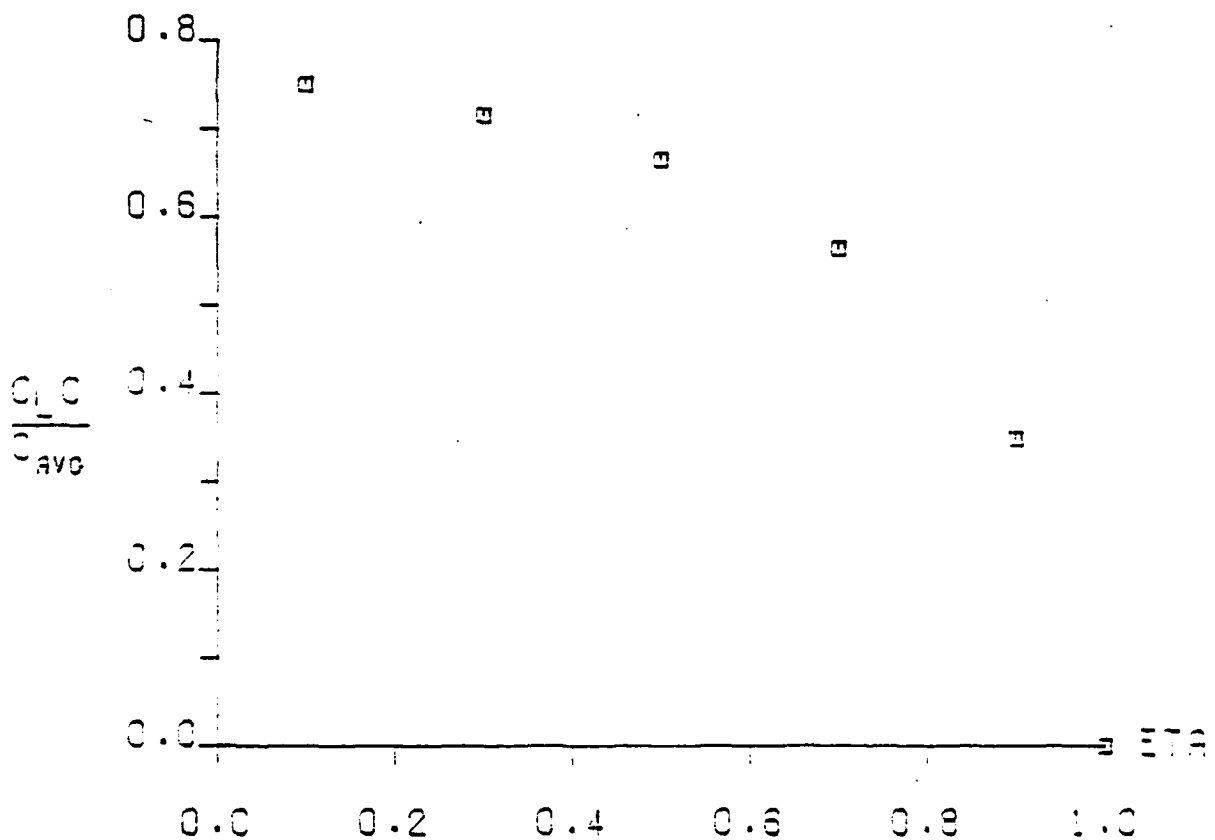
LOCKHEED CPWT SEMI-SPAN TEST, RUN 44
BASIC DATA
NUMERICALLY OPTIMIZED WING C

MACH NO = 0.850
 ALPHA = 6.902
 CLG = 0.622



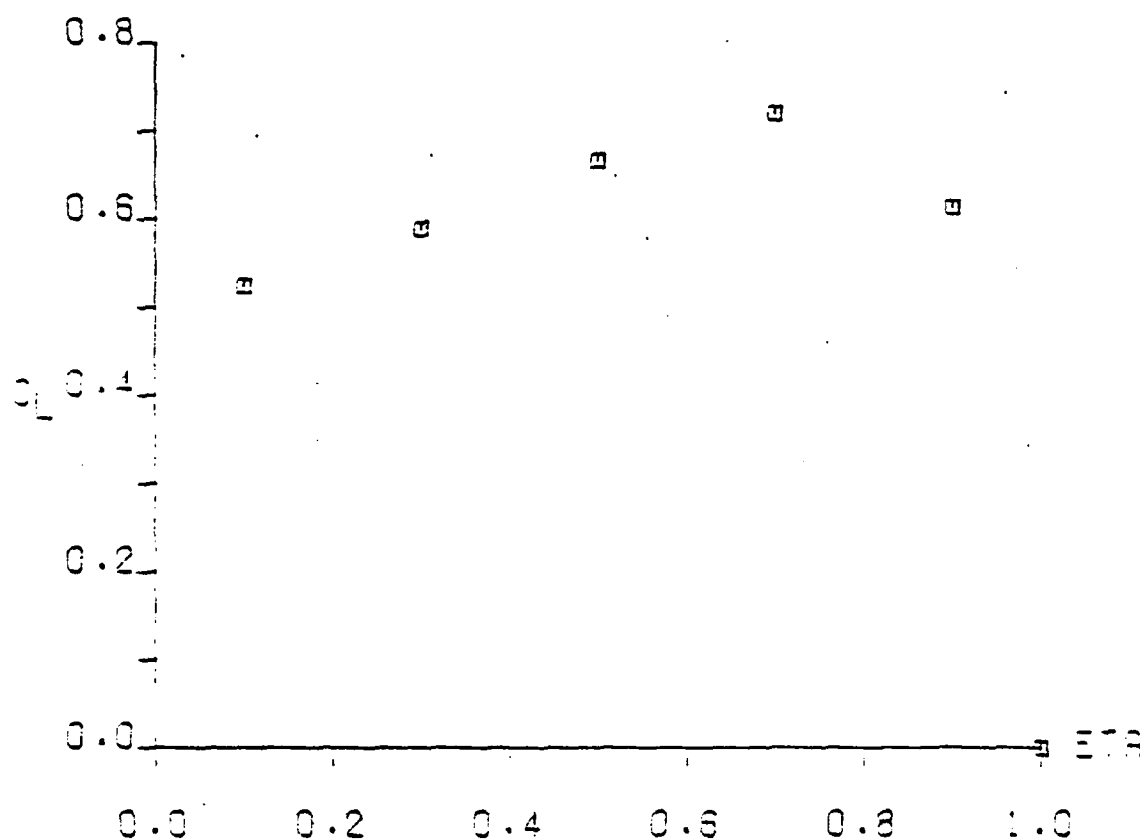
LOCKHEED CFWT SEMI-SPAN TEST, RUN 44
 BASIC DATA
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.850
ALPHA = 6.902
CLG = 0.622



LOCKHEED CFWT SEMI-SPAN TEST, RUN 44
BASIC DATA
NUMERICALLY OPTIMIZED WING C

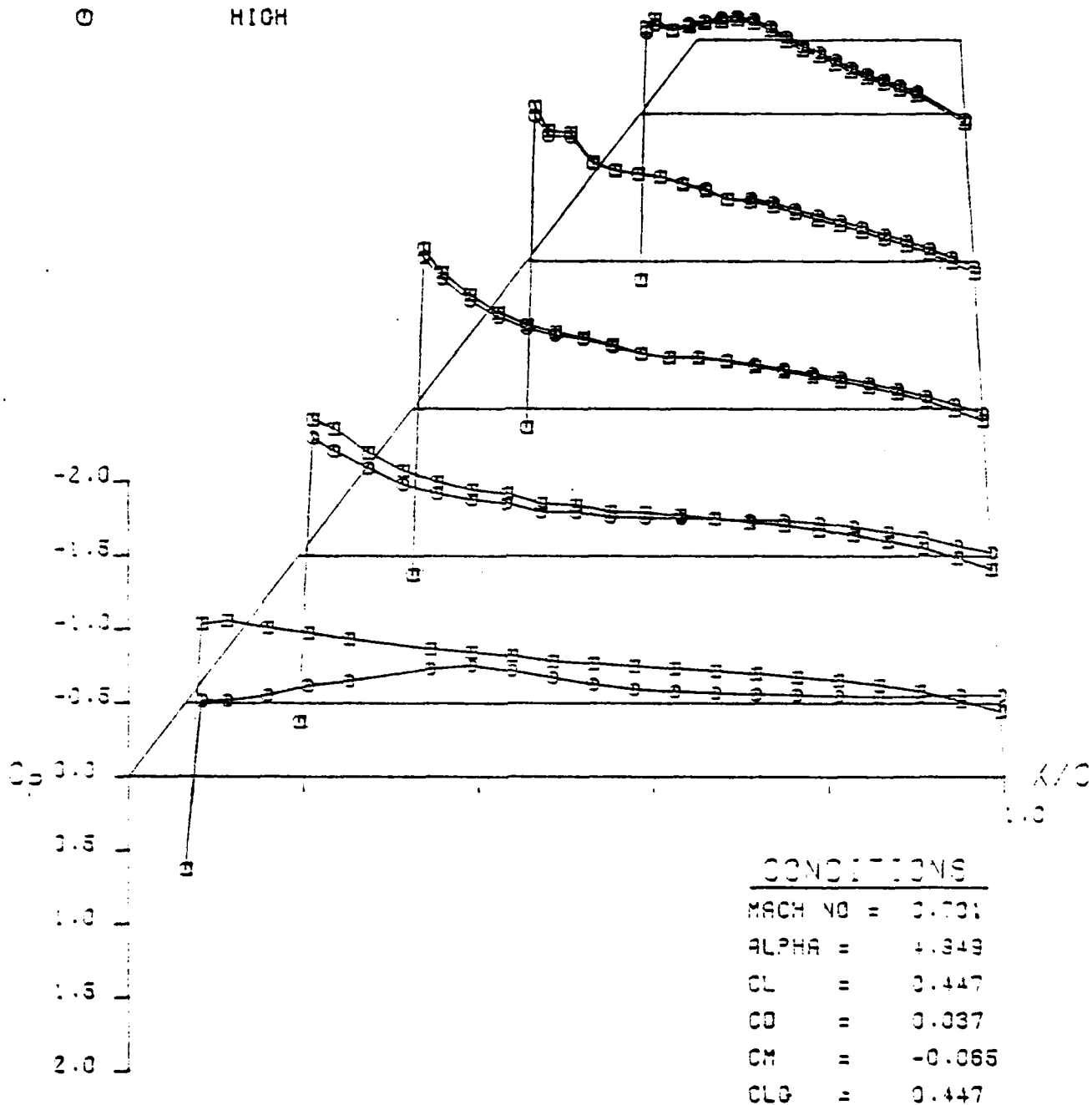
MACH NO = 0.850
ALPHA = 6.902
CLG = 0.622



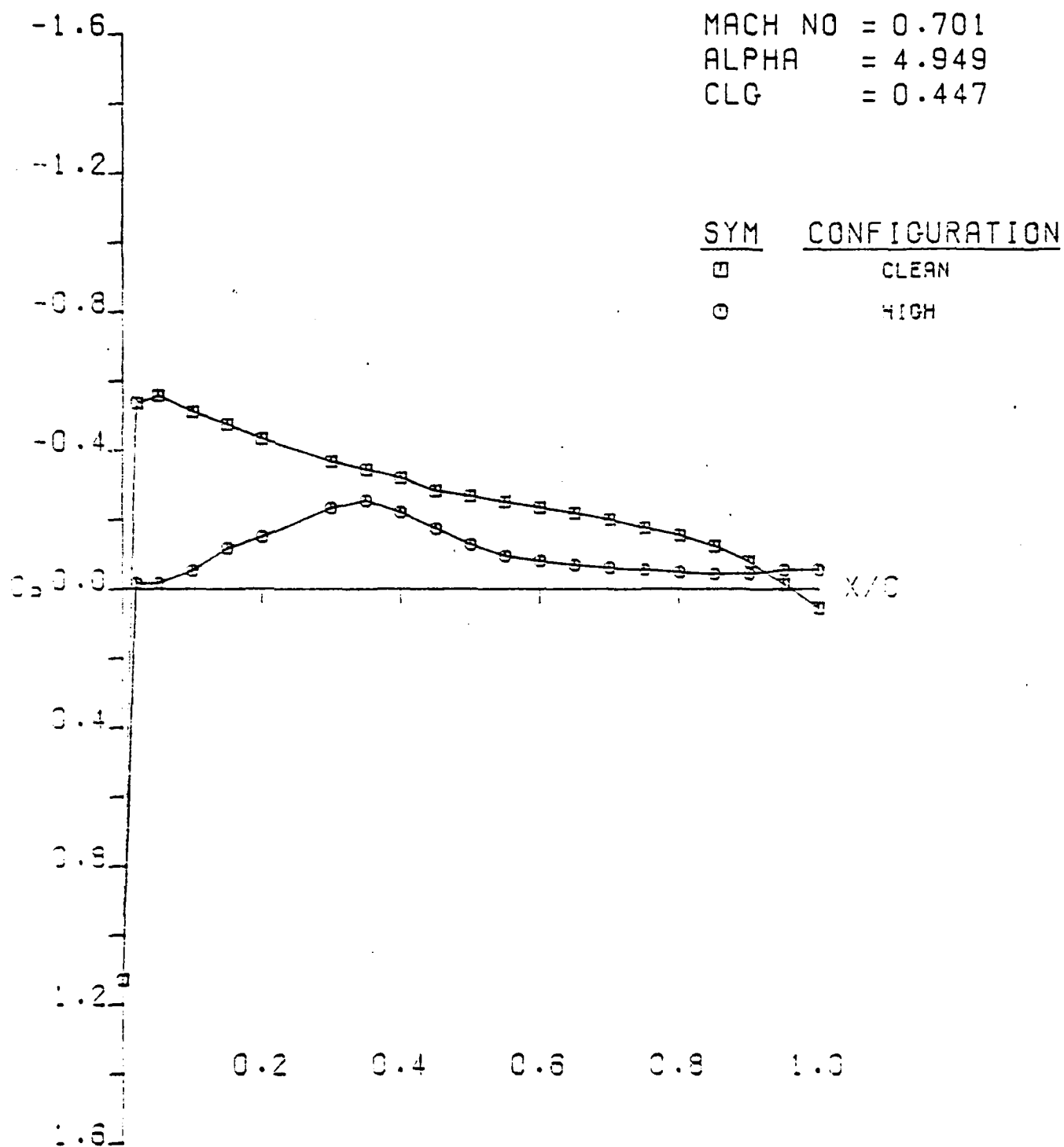
LOCKHEED CFMT SEMI-SPAN TEST, RUN 44
BASIC DATA
NUMERICALLY OPTIMIZED WING C

SYM CONFIGURATION

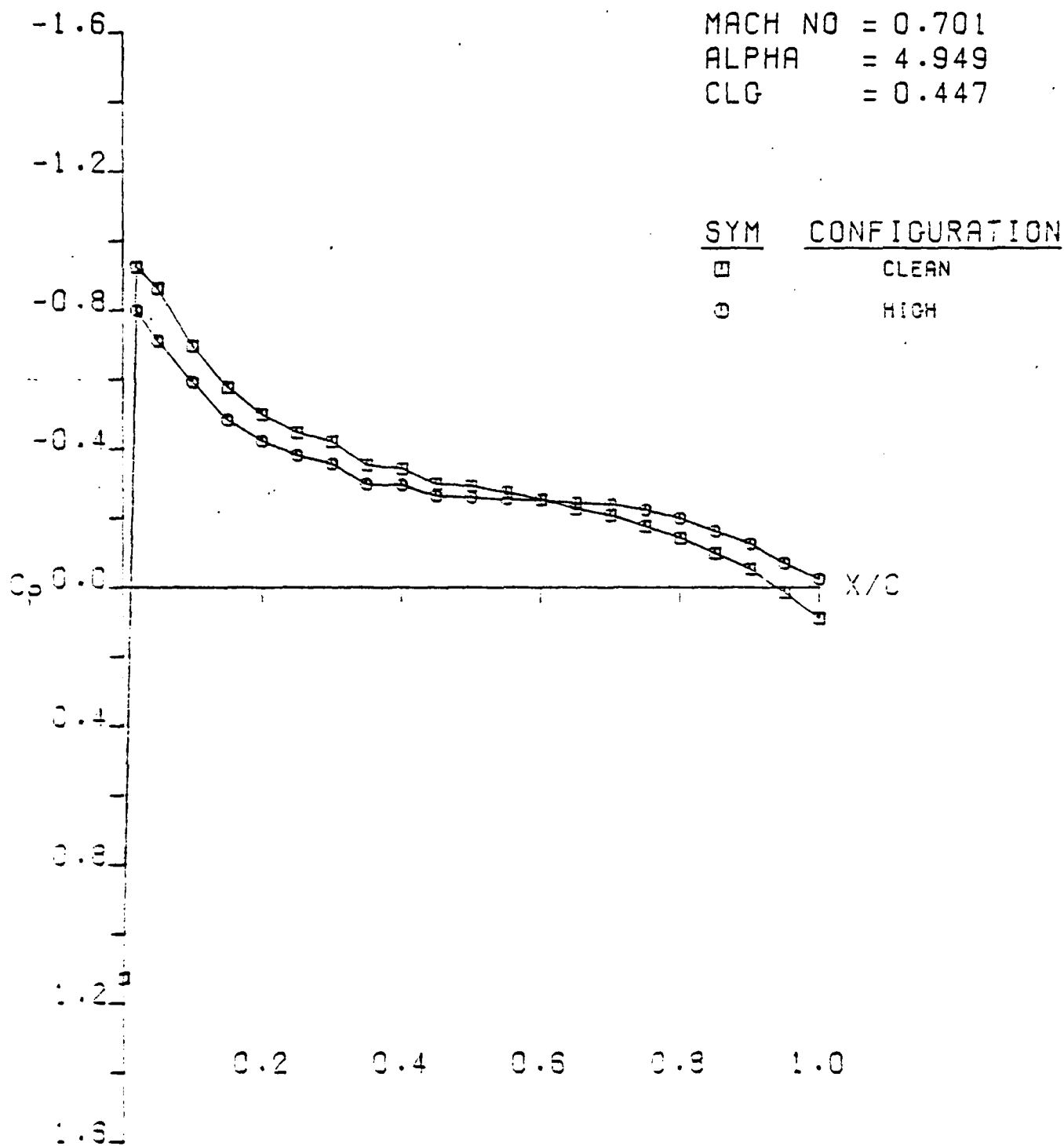
□ CLEAN
○ HIGH



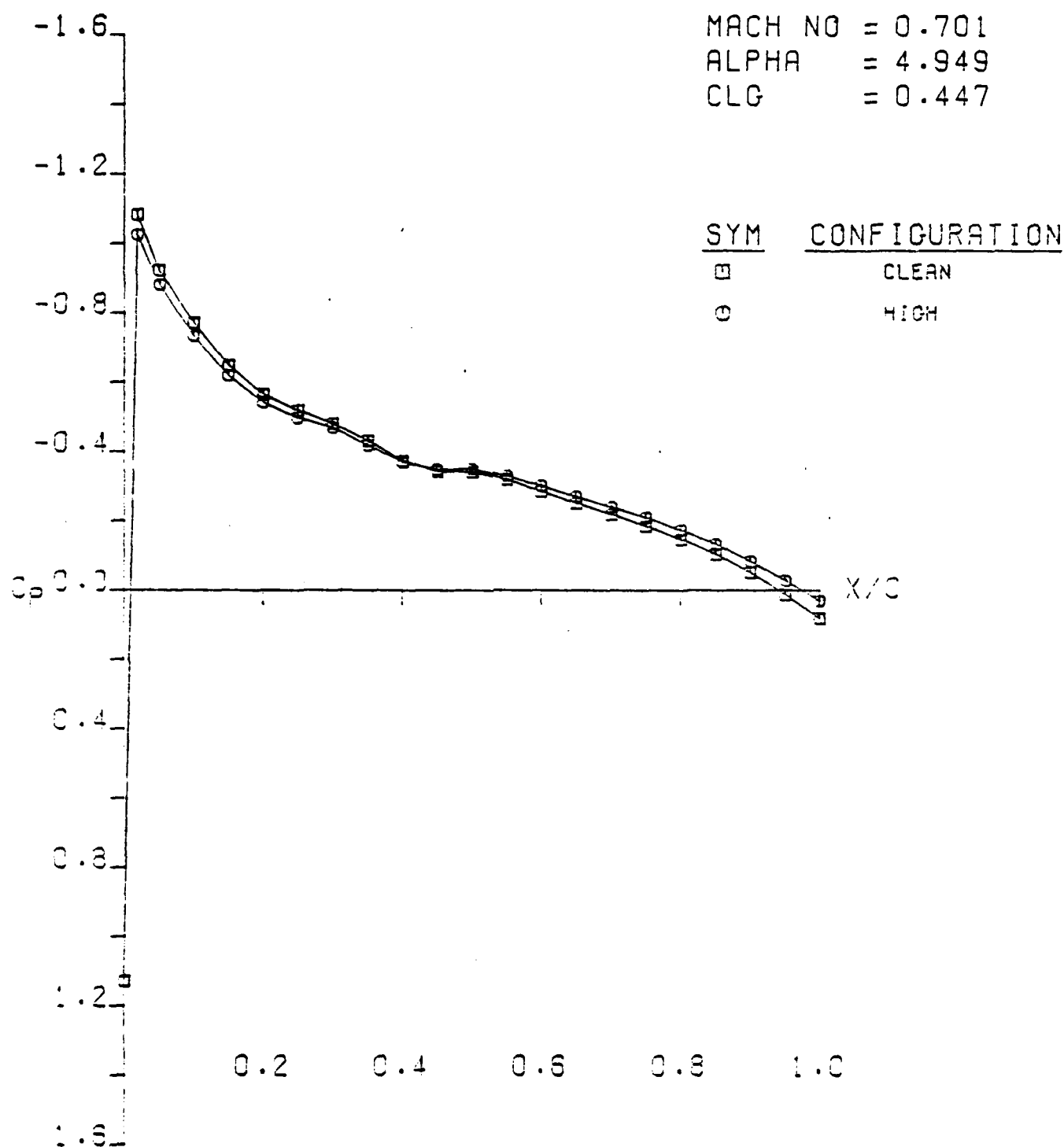
LOCKHEED CFMT SEMI-SPAN TEST, RUN 24
CLN VS HIGH (UPR SURF)
NUMERICALLY OPTIMIZED WING C



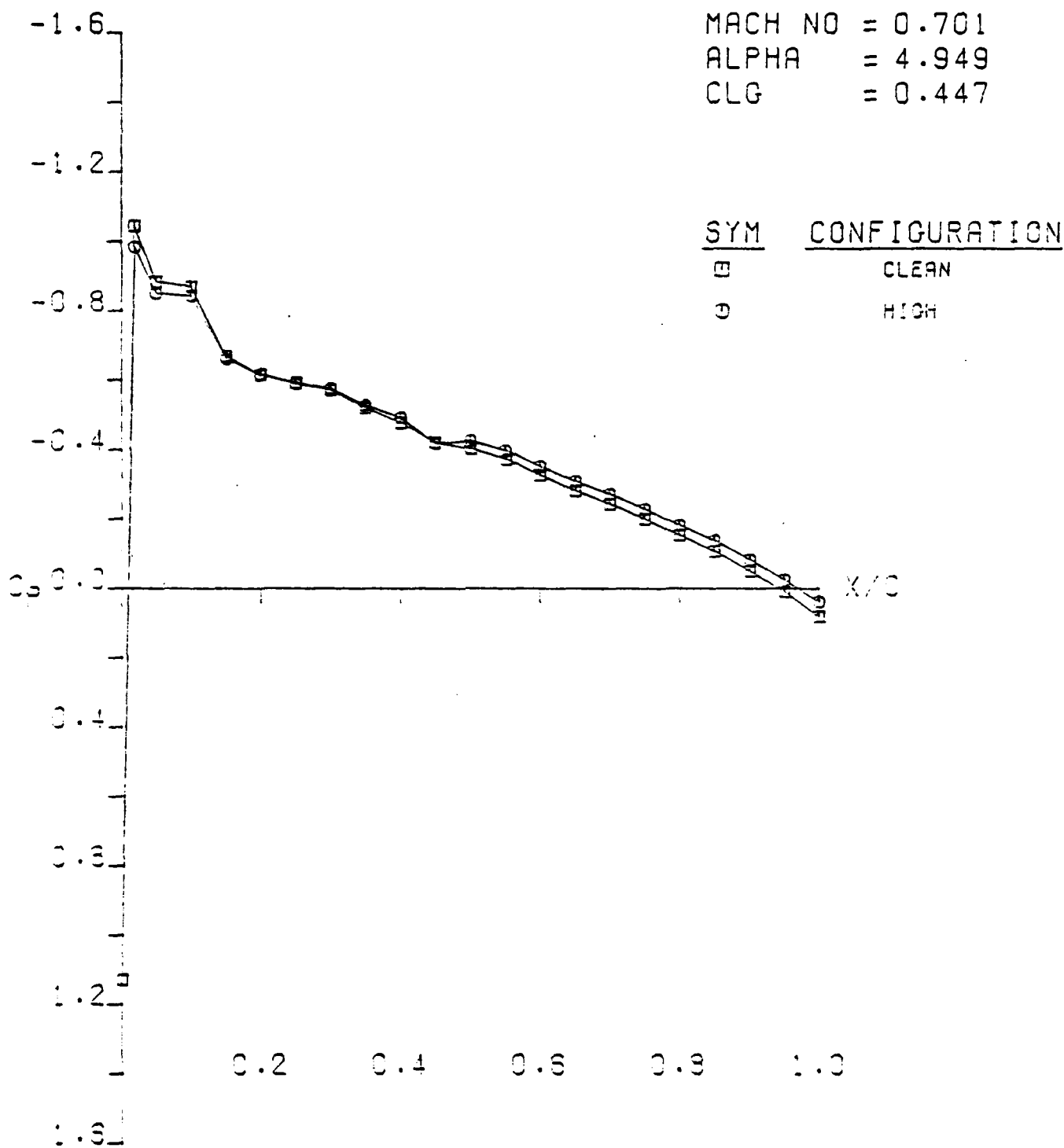
LOCKHEED CFWT SEMI-SPAN TEST, RUN 24
CLN VS HIGH (UPR SURF ETA .10)
NUMERICALLY OPTIMIZED WING C



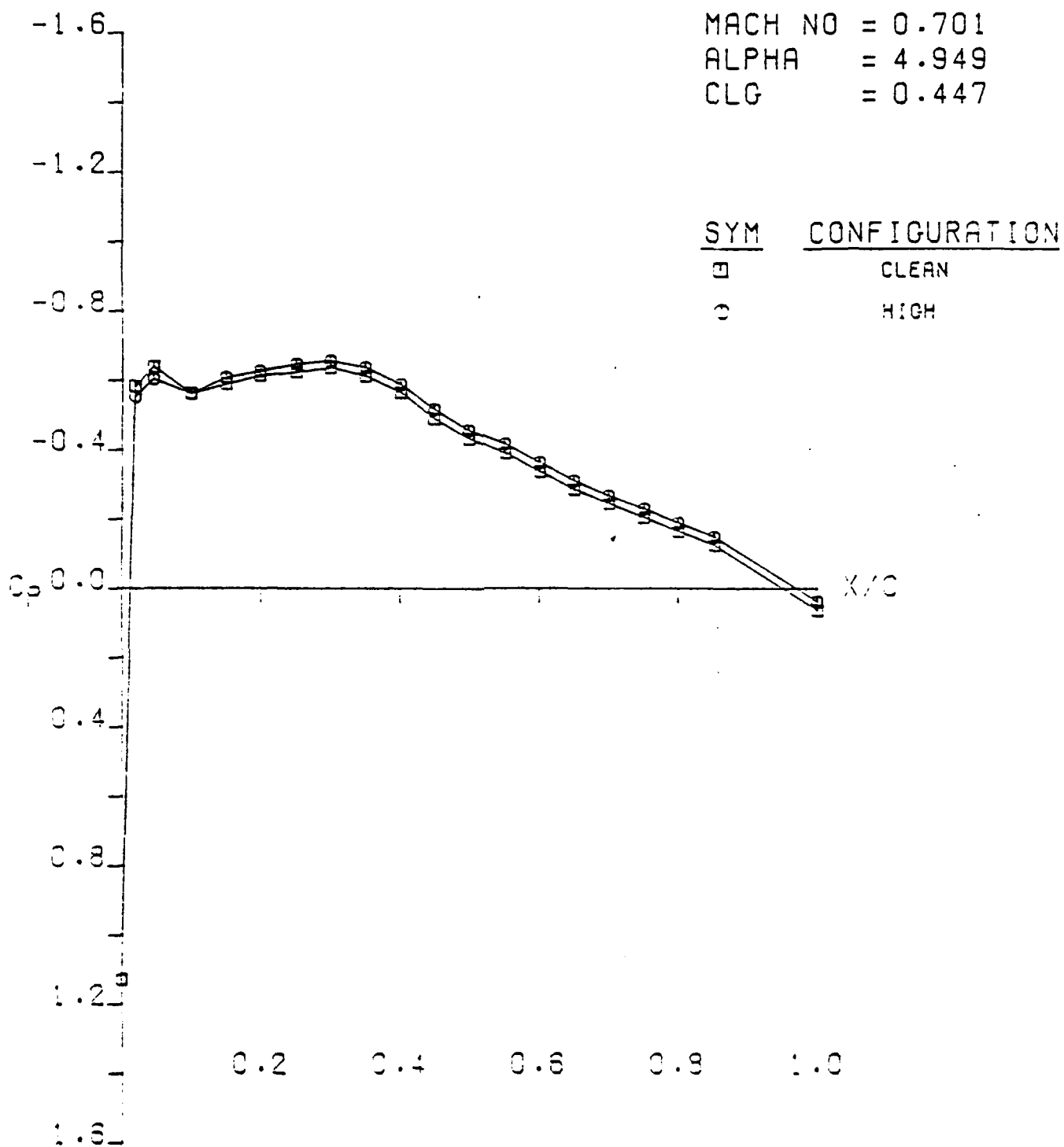
LOCKHEED CFWT SEMI-SPAN TEST, RUN 24
CLN VS HIGH (UPR SURF ETA .30)
NUMERICALLY OPTIMIZED WING C



LOCKHEED CFWT SEMI-SPAN TEST, RUN 24
CLN VS HIGH (UPR SURF ETR .50)
NUMERICALLY OPTIMIZED WING C



LOCKHEED OFWT SEMI-SPAN TEST, RUN 24
CLN VS HIGH (UPR SURF ETA .70)
NUMERICALLY OPTIMIZED WING C



LOCKHEED CFMT SEMI-SPAN TEST, RUN 24
CLN VS HIGH (UPR SURF ETA .90)
NUMERICALLY OPTIMIZED WING C

AD-A085 259

LOCKHEED-GEORGIA CO MARIETTA

F/G 20/R

ACQUISITION AND APPLICATION OF TRANSONIC WING AND FAR-FIELD TEST--ETC(U)

MAR 80 B L HINSON, K P BURDGES

F49620-78-C-0068

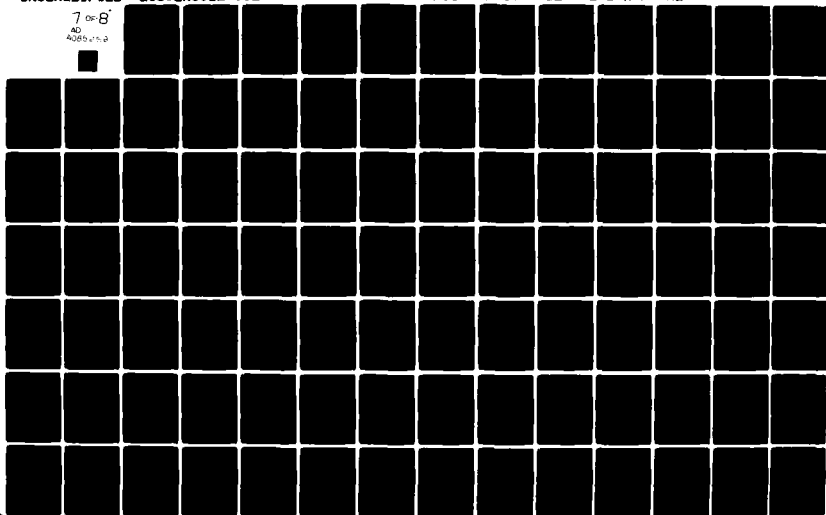
UNCLASSIFIED

L680ER0012-VOL-2

AFOSR-TR-80-0422-VOL-2-APP NL

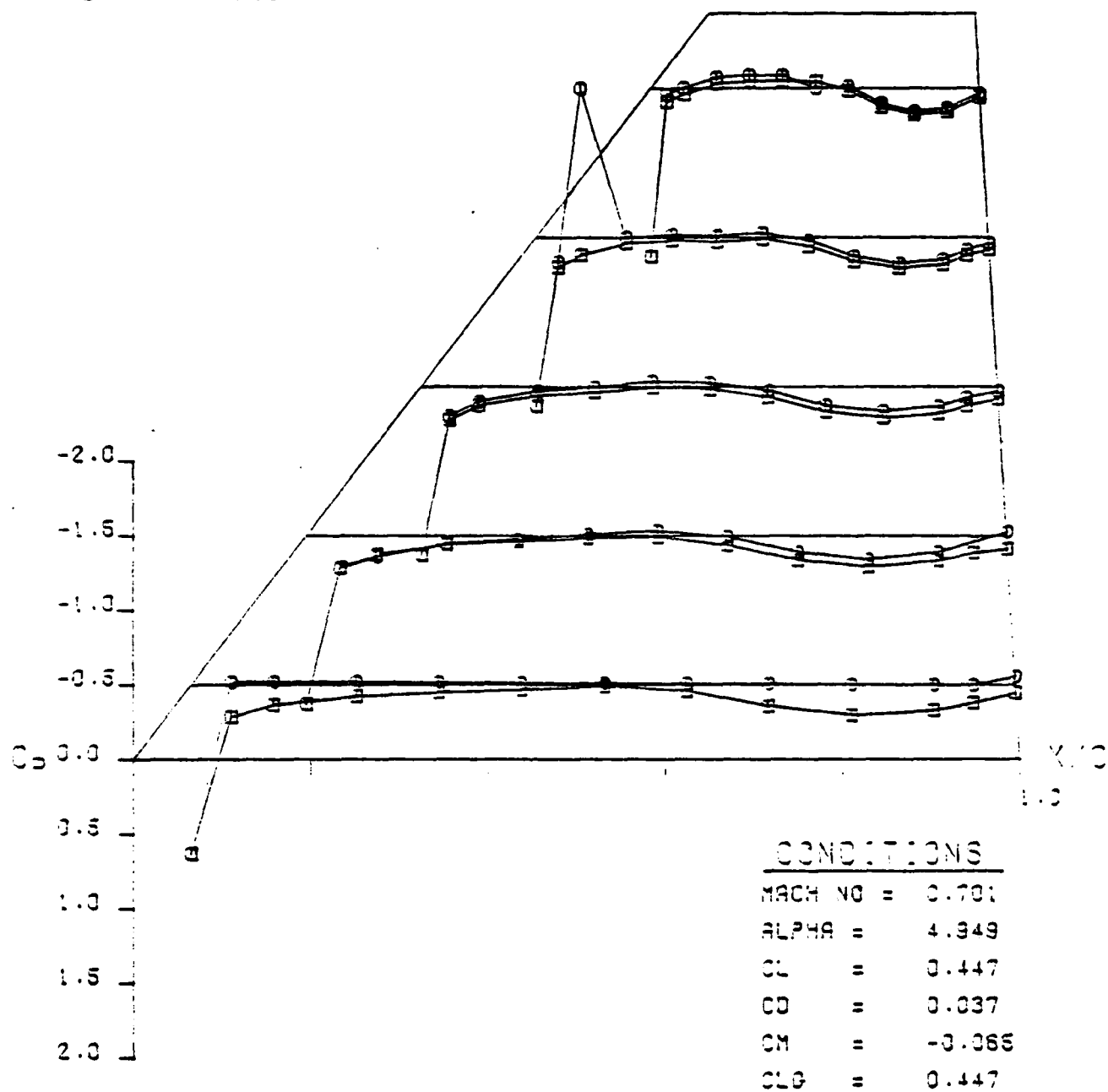
7 of 8

AD
A085 259

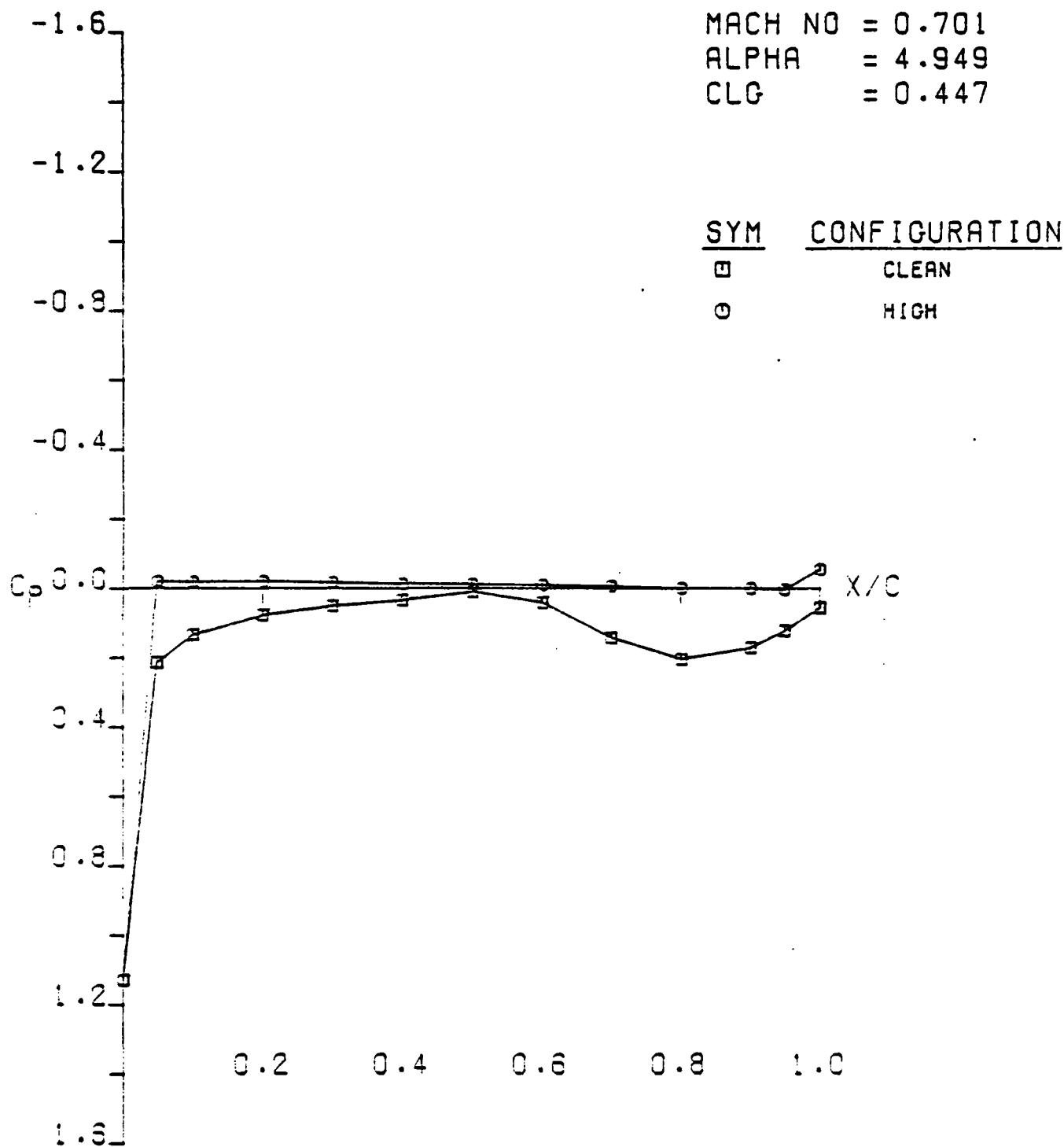


SYM CONFIGURATION

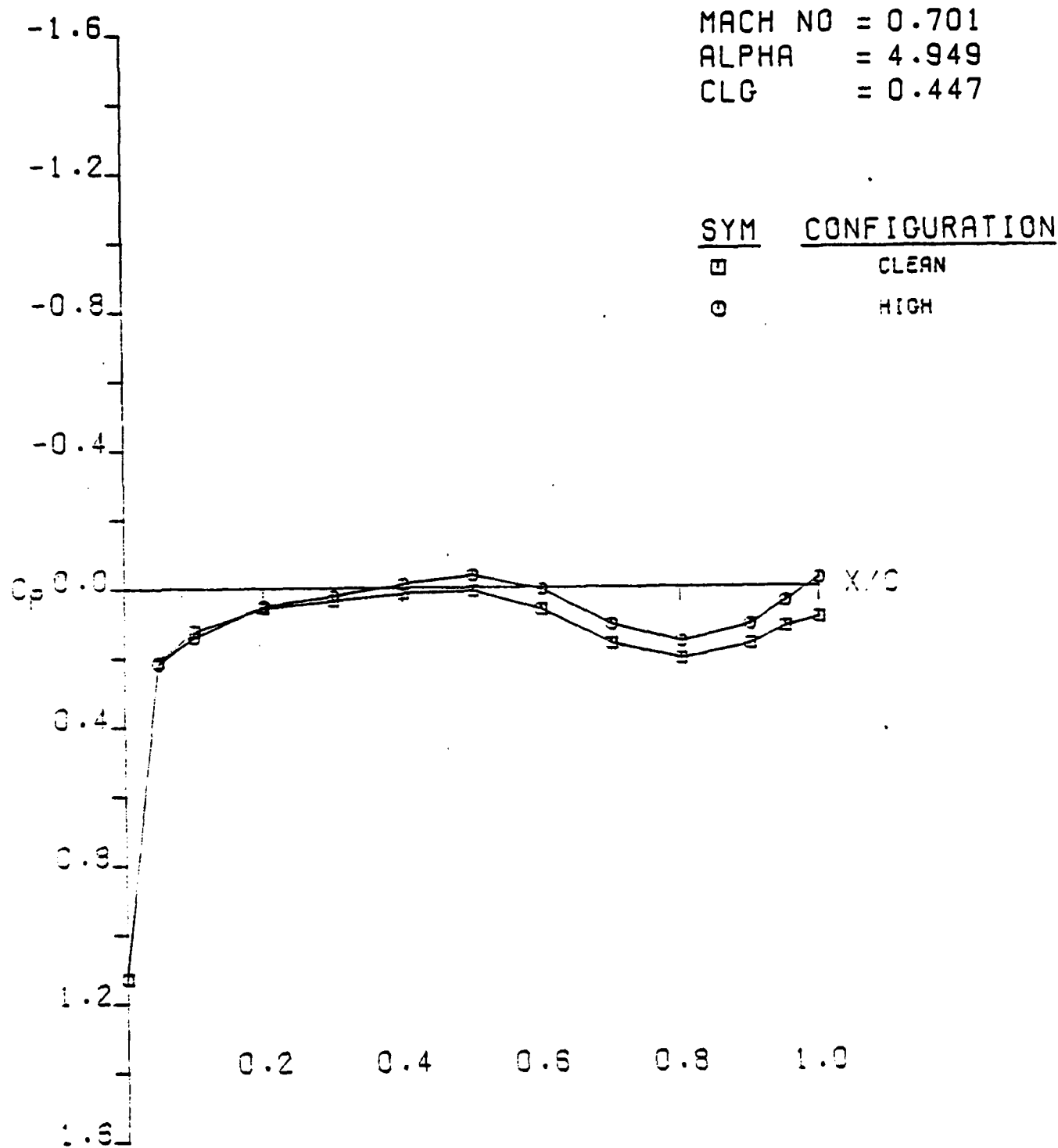
□ CLEAN
○ HIGH



LOCKHEED CFWT SEMI-SPAN TEST, RUN 24
CLN VS HIGH (LWR SURF)
NUMERICALLY OPTIMIZED WING C



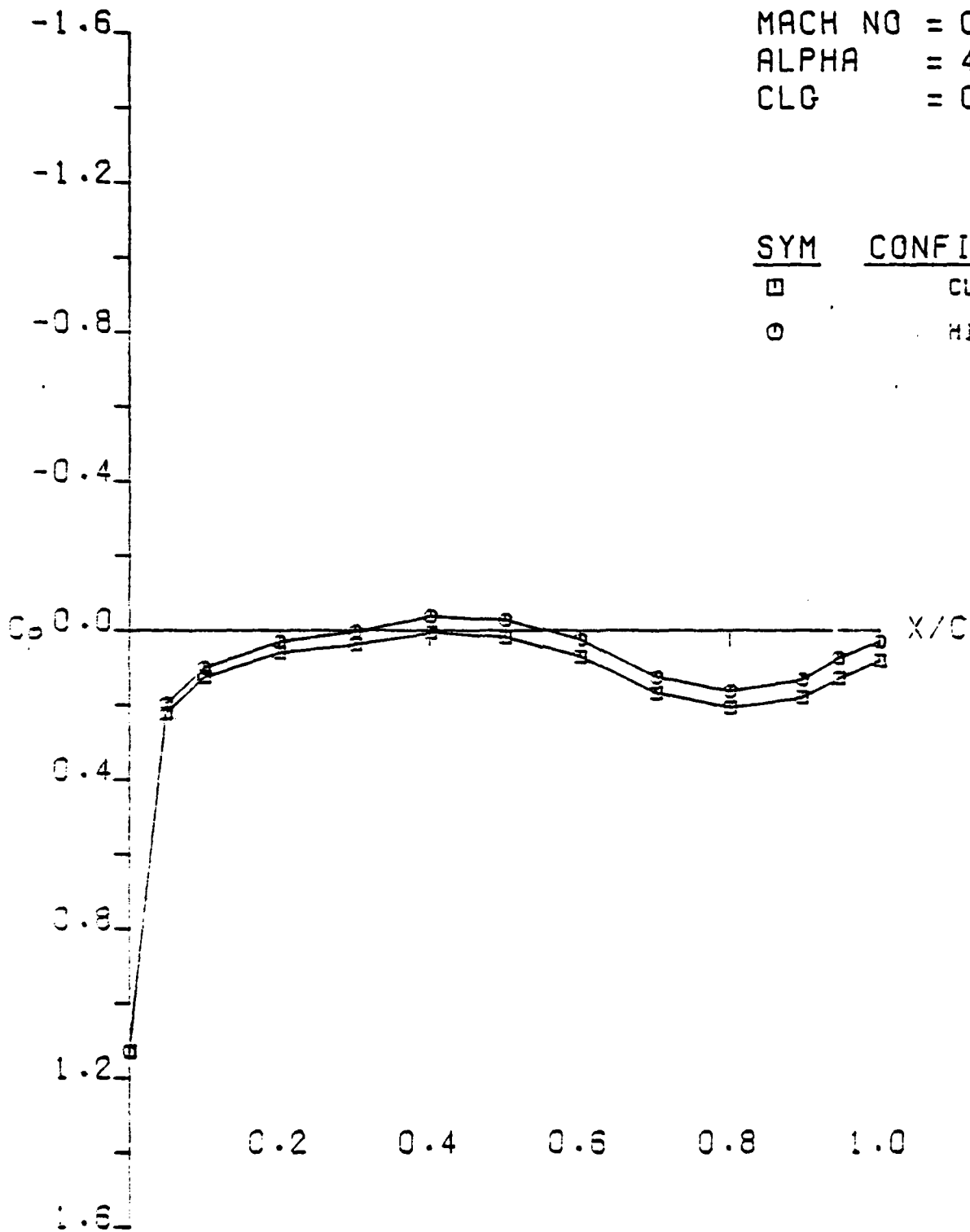
LOCKHEED CPWT SEMI-SPAN TEST, RUN 24
 CLN VS HIGH (LWR SURF ETA .10)
 NUMERICALLY OPTIMIZED WING C



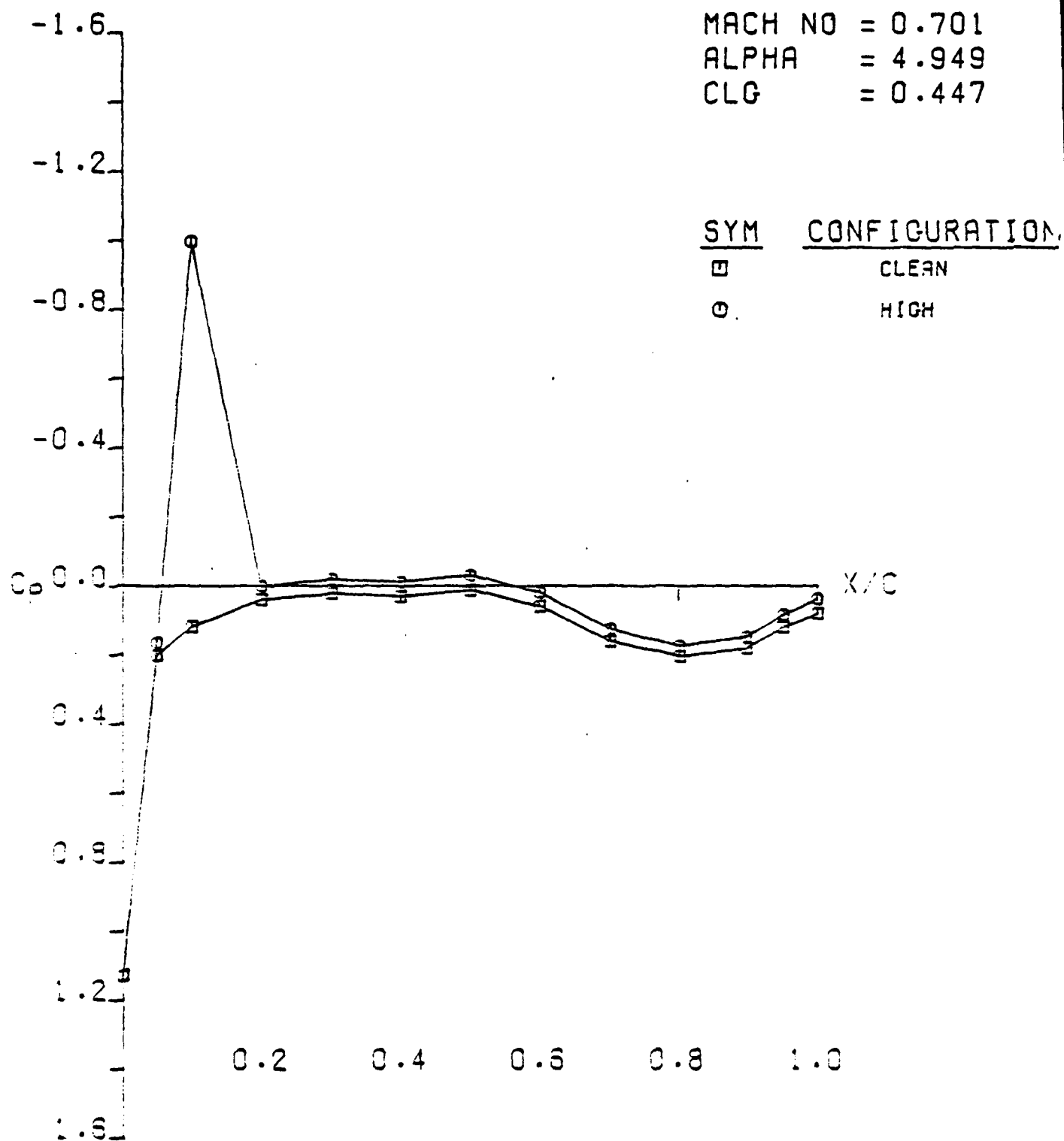
LOCKHEED CFWT SEMI-SPAN TEST. RUN 24
CLN VS HIGH (LWR SURF ETA .30)
NUMERICALLY OPTIMIZED WING C

MACH NO = 0.701
 ALPHA = 4.949
 CLG = 0.447

SYM	CONFIGURATION
□	CLEAN
○	HIGH



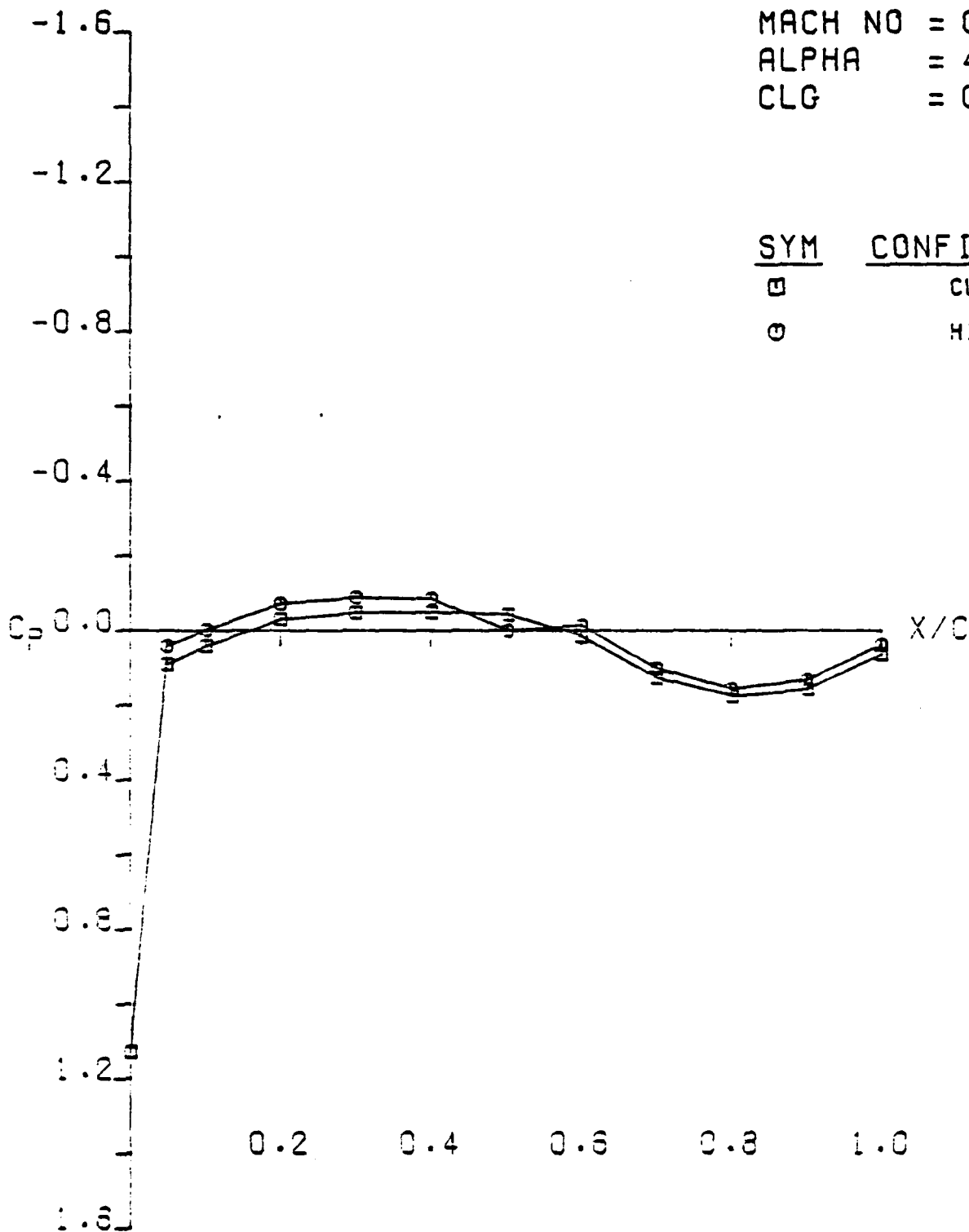
LOCKHEED CFWT SEMI-SPAN TEST, RUN 24
 CLN VS HIGH (LWR SURF ETA .50)
 NUMERICALLY OPTIMIZED WING C



LOCKHEED CFWT SEMI-SPAN TEST, RUN 24
CLN VS HIGH (LWR SURF ETA .70)
NUMERICALLY OPTIMIZED WING C

MACH NO = 0.701
 ALPHA = 4.949
 CLG = 0.447

SYM	CONFIGURATION
□	CLEAN
○	HIGH

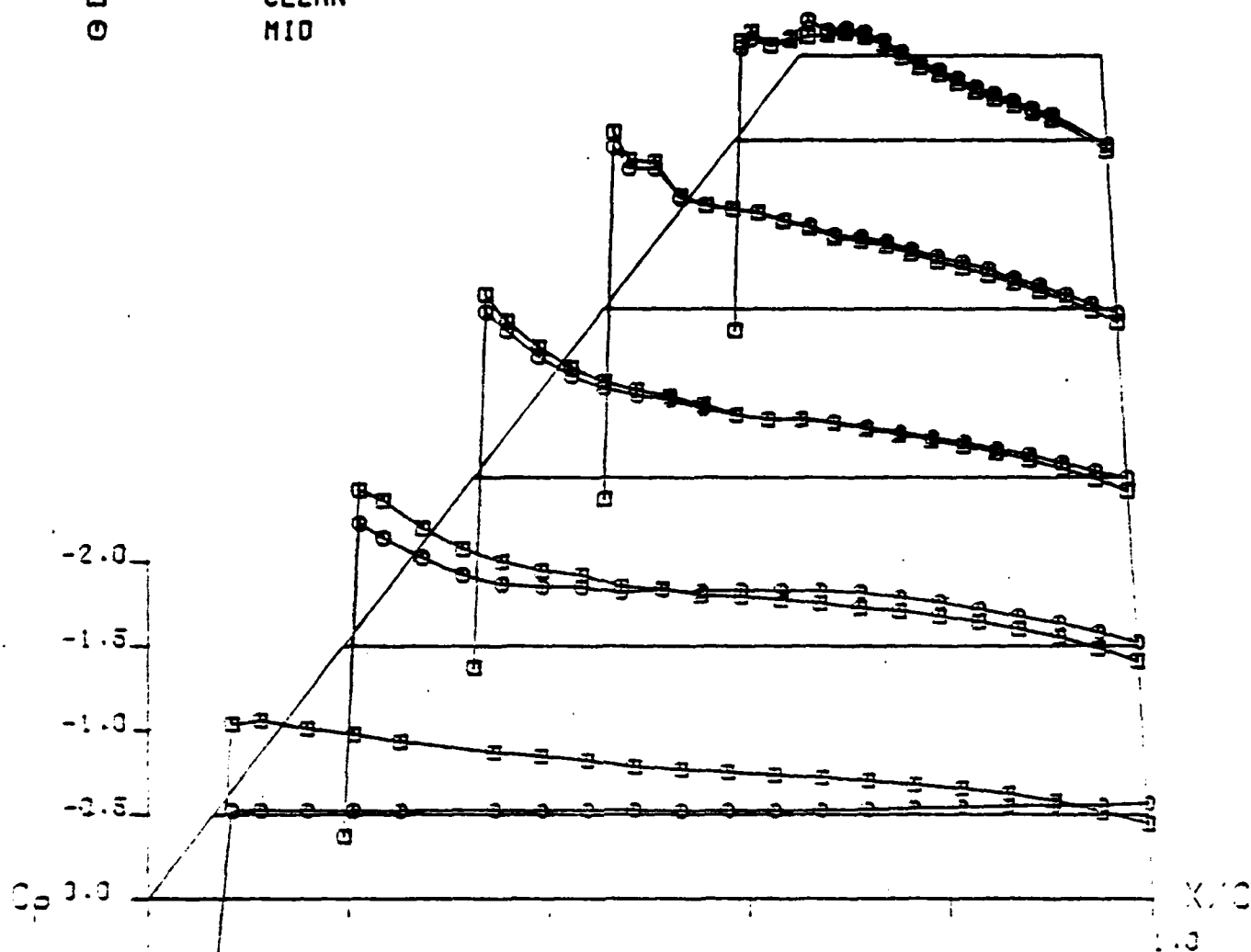


LOCKHEED CPWT SEMI-SPAN TEST, RUN 24
 CLN VS HIGH (LWR SURF ETR .90)
 NUMERICALLY OPTIMIZED WING C

SYM CONFIGURATION

□
○

CLEAN
MID



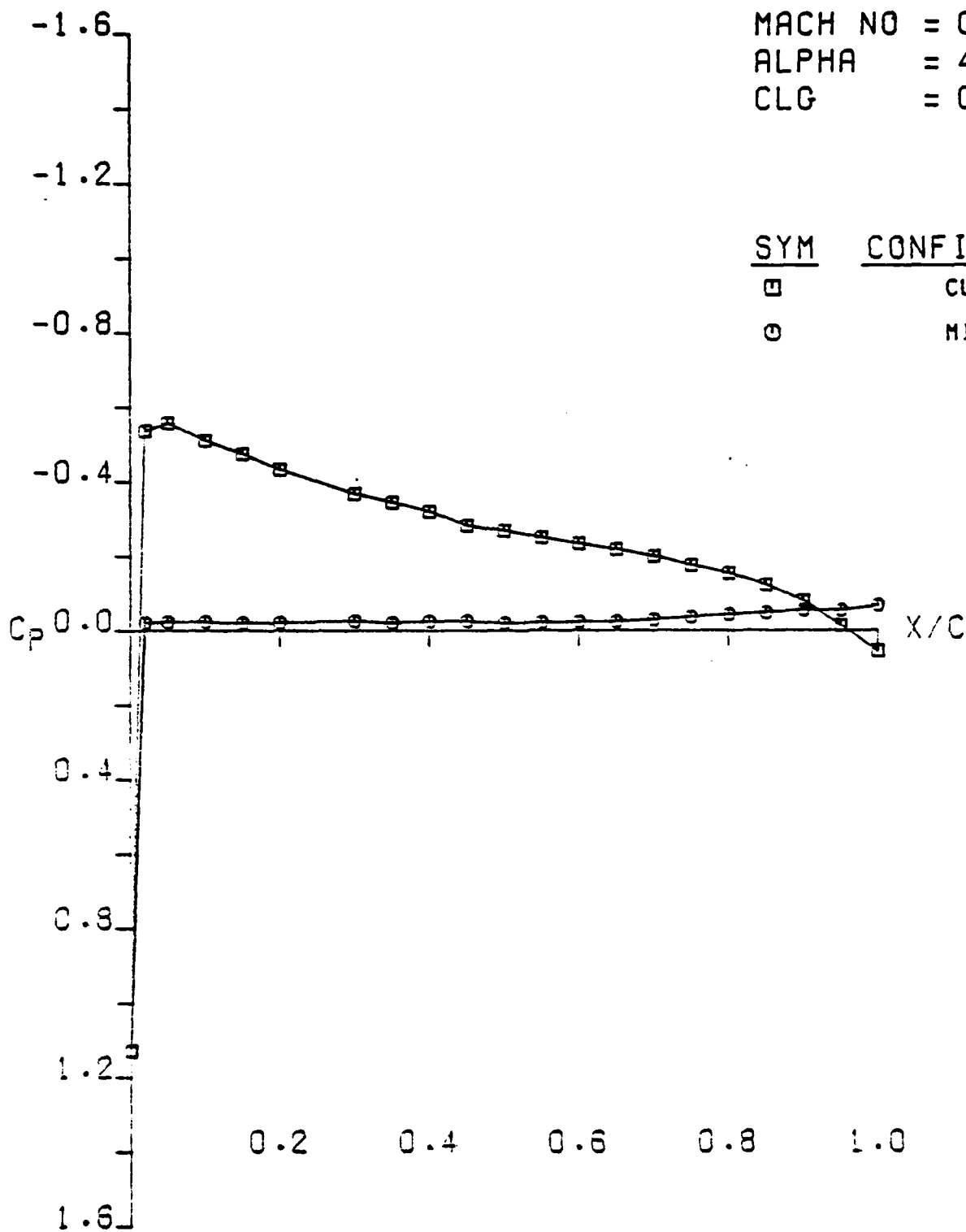
CONDITIONS

MACH NO = 0.701
ALPHA = 4.343
CL = 0.447
CD = 0.037
CM = -0.065
CLG = 0.447

LOCKHEED CFWT SEMI-SPAN TEST, RUN 24
CLN VS MID - NO SEAL (UPR SURF)
NUMERICALLY OPTIMIZED WING C

MACH NO = 0.701
 ALPHA = 4.949
 CLG = 0.447

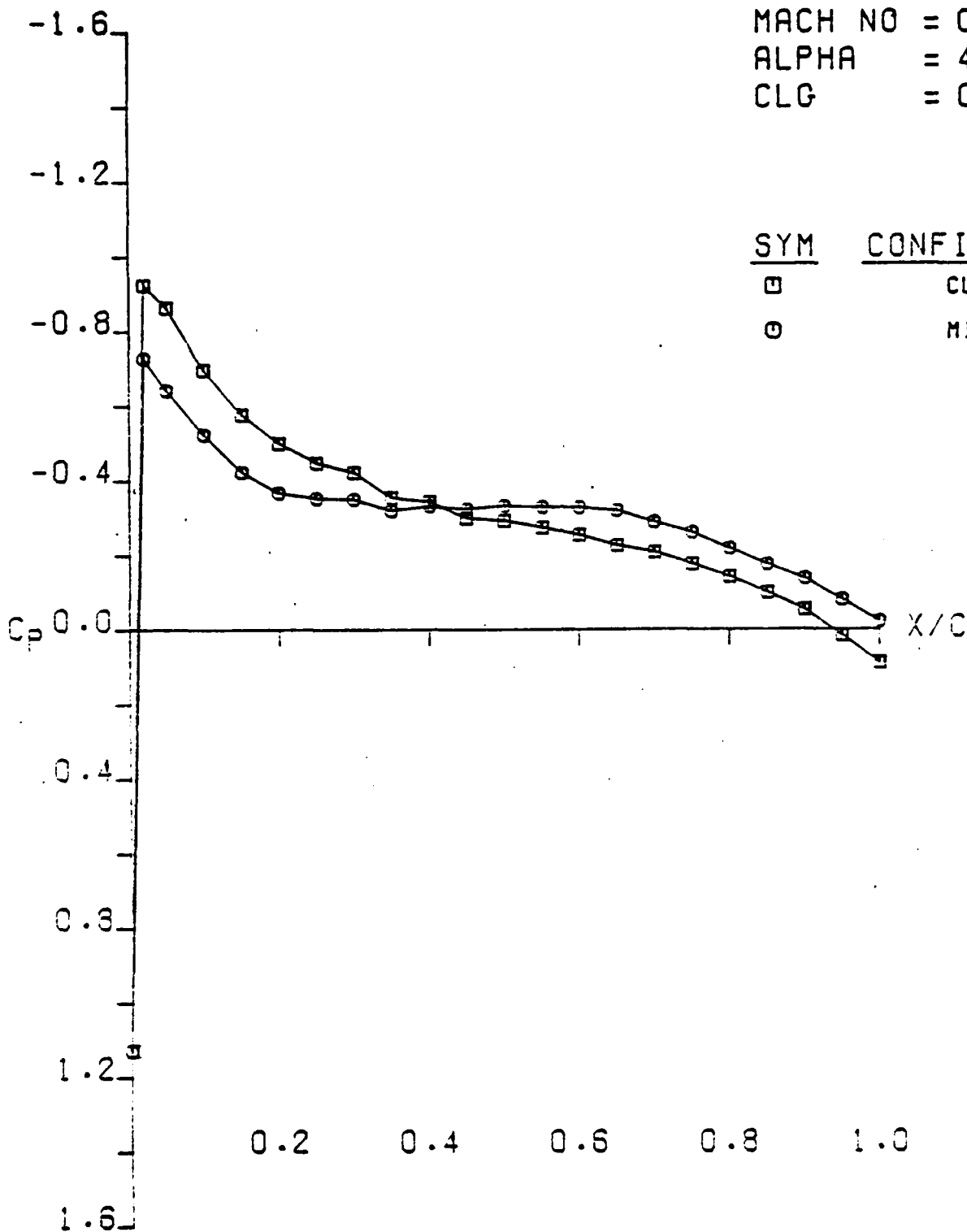
SYM	CONFIGURATION
□	CLEAN
○	MID



LOCKHEED CFWT SEMI-SPAN TEST, RUN 24
 CLN VS MID - NO SEAL (UPR SURF STA .10)
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.701
 ALPHA = 4.949
 CLG = 0.447

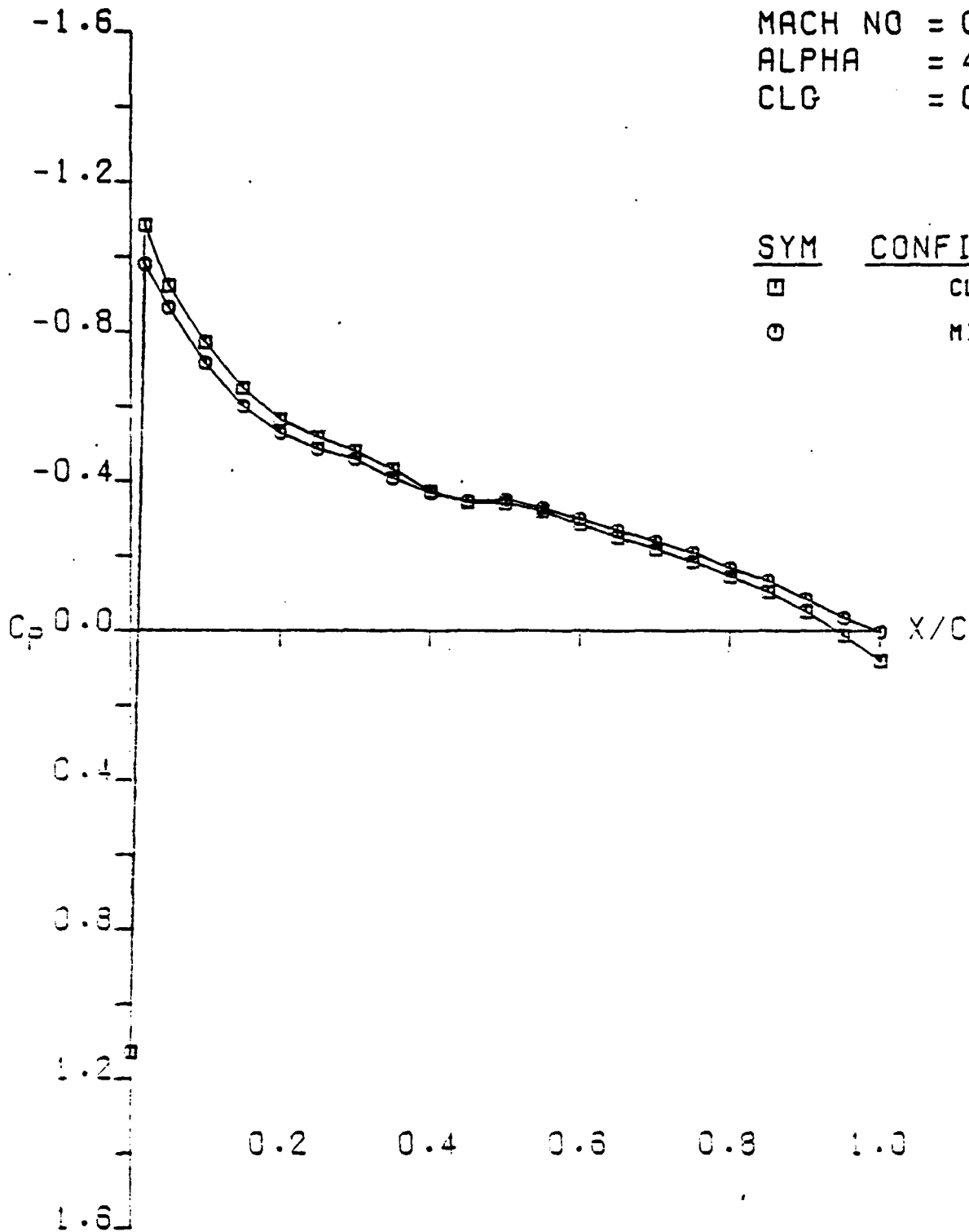
SYM	CONFIGURATION
□	CLEAN
○	MID



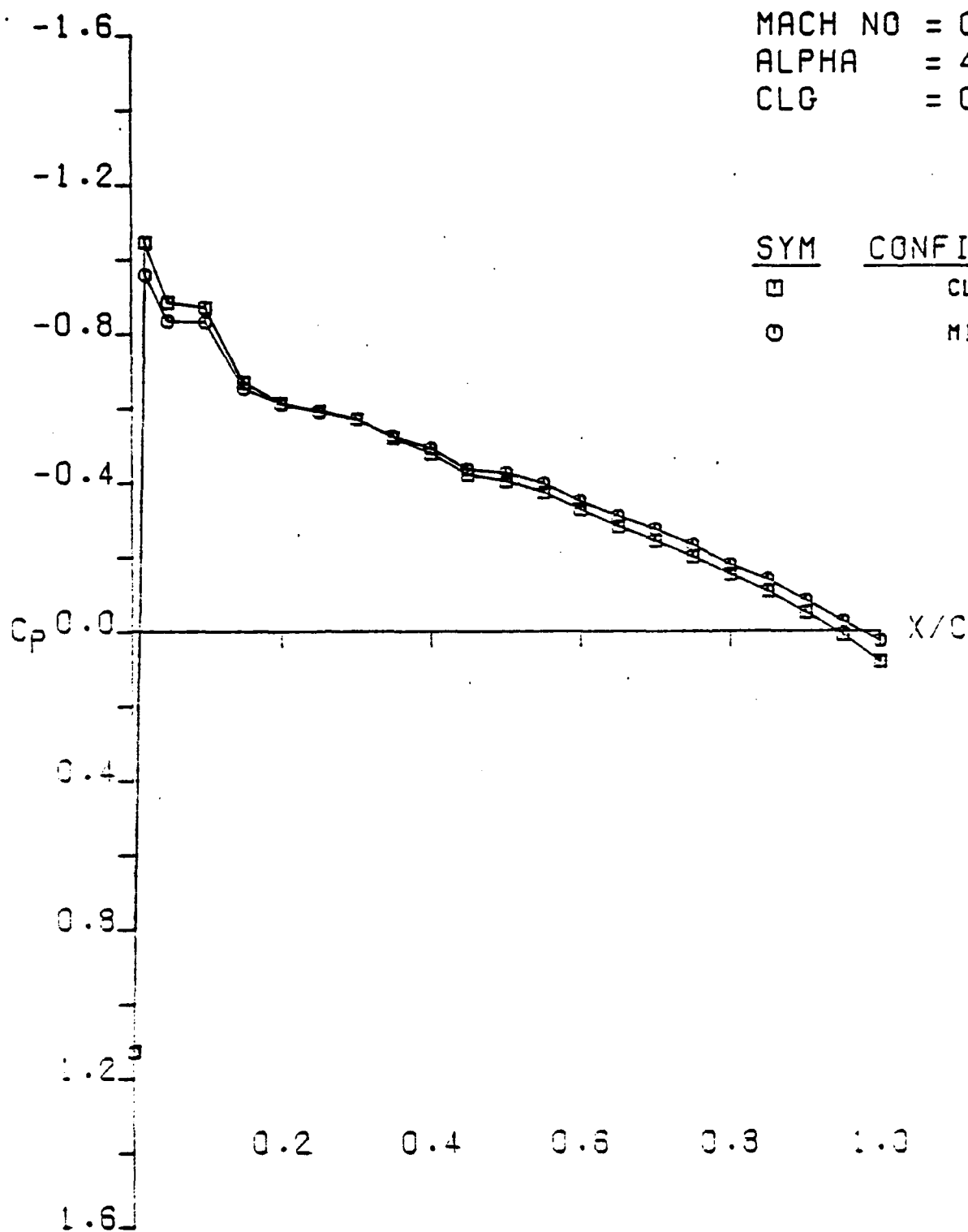
LOCKHEED CFWT SEMI-SPAN TEST, RUN 24
 CLN VS MID - NO SEAL (UPR SURF ϵ 0.30)
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.701
 ALPHA = 4.949
 CLG = 0.447

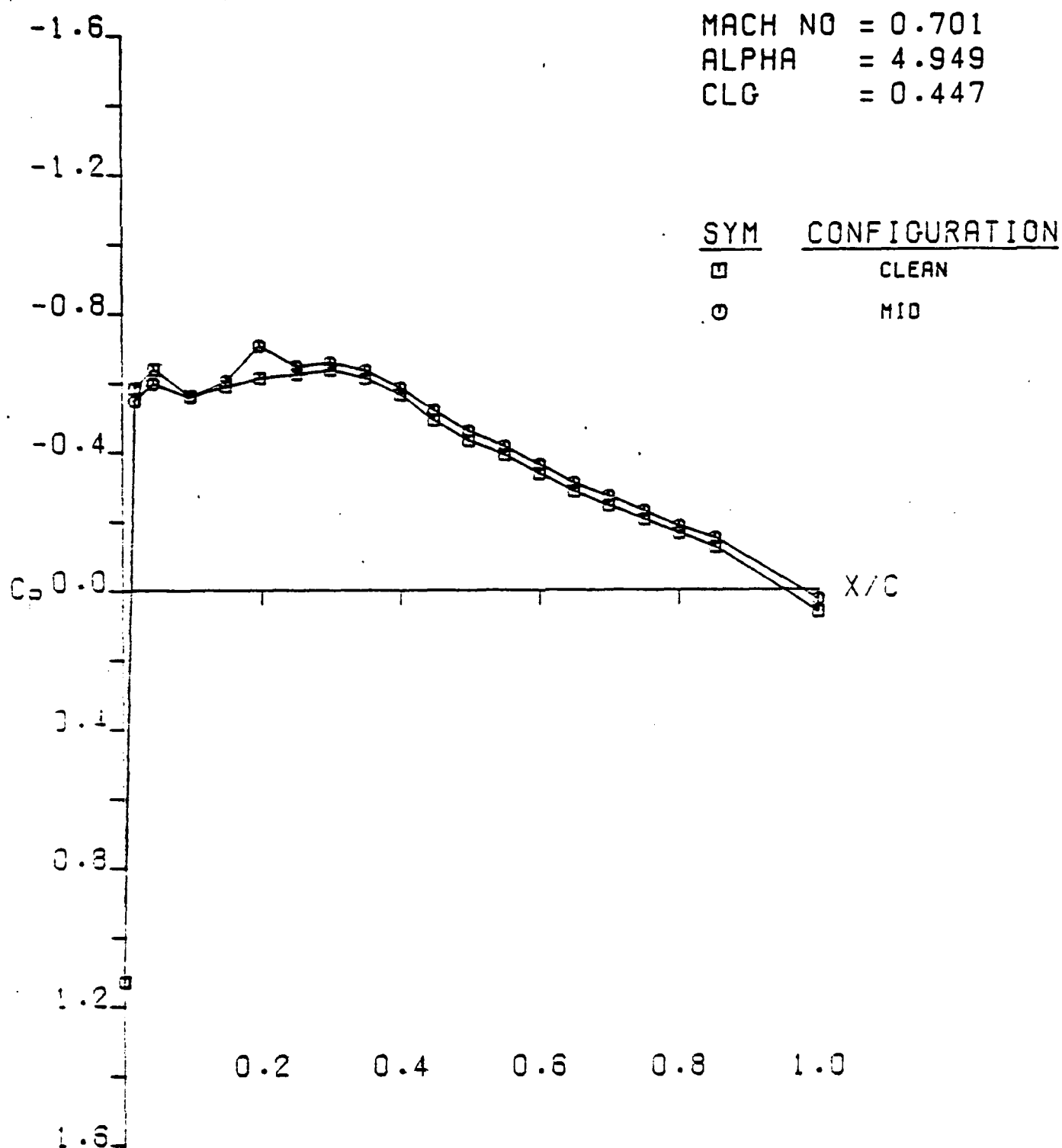
SYM	CONFIGURATION
□	CLEAN
○	MID



LOCKHEED CFWT SEMI-SPAN TEST, RUN 24
 CLN VS MID - NO SEAL (UPR SURF ETA .50)
 NUMERICALLY OPTIMIZED WING C



LOCKHEED CFWT SEMI-SPAN TEST, RUN 24
 CLN VS MID - NO SEAL (UPR SURF ETR .70)
 NUMERICALLY OPTIMIZED WING C

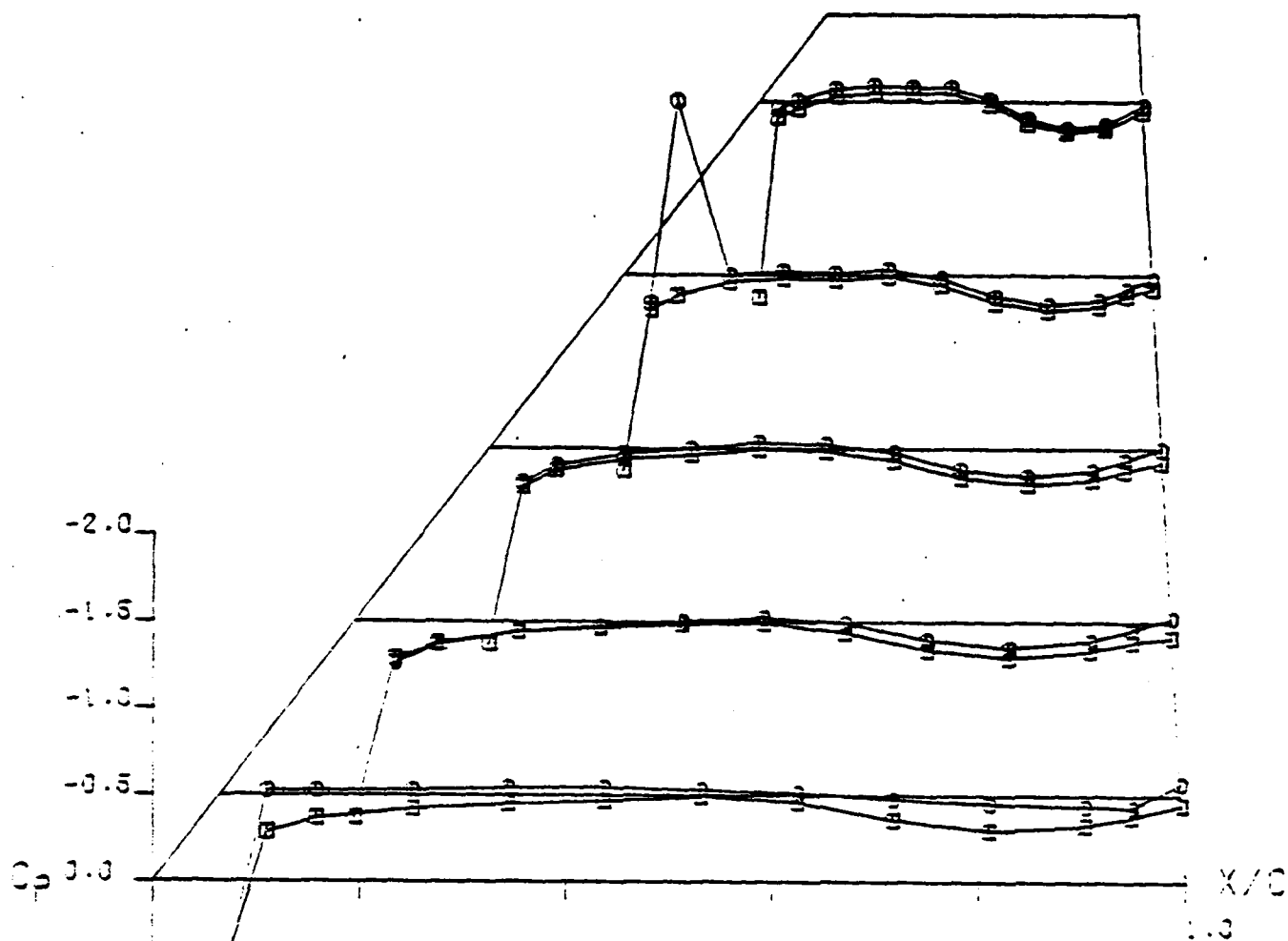


LOCKHEED CFWT SEMI-SPAN TEST, RUN 24
 CLN VS MID - NO SEAL (UPR SURF ETA .90)
 NUMERICALLY OPTIMIZED WING C

SYM CONFIGURATION

□
○

CLEAN
MID



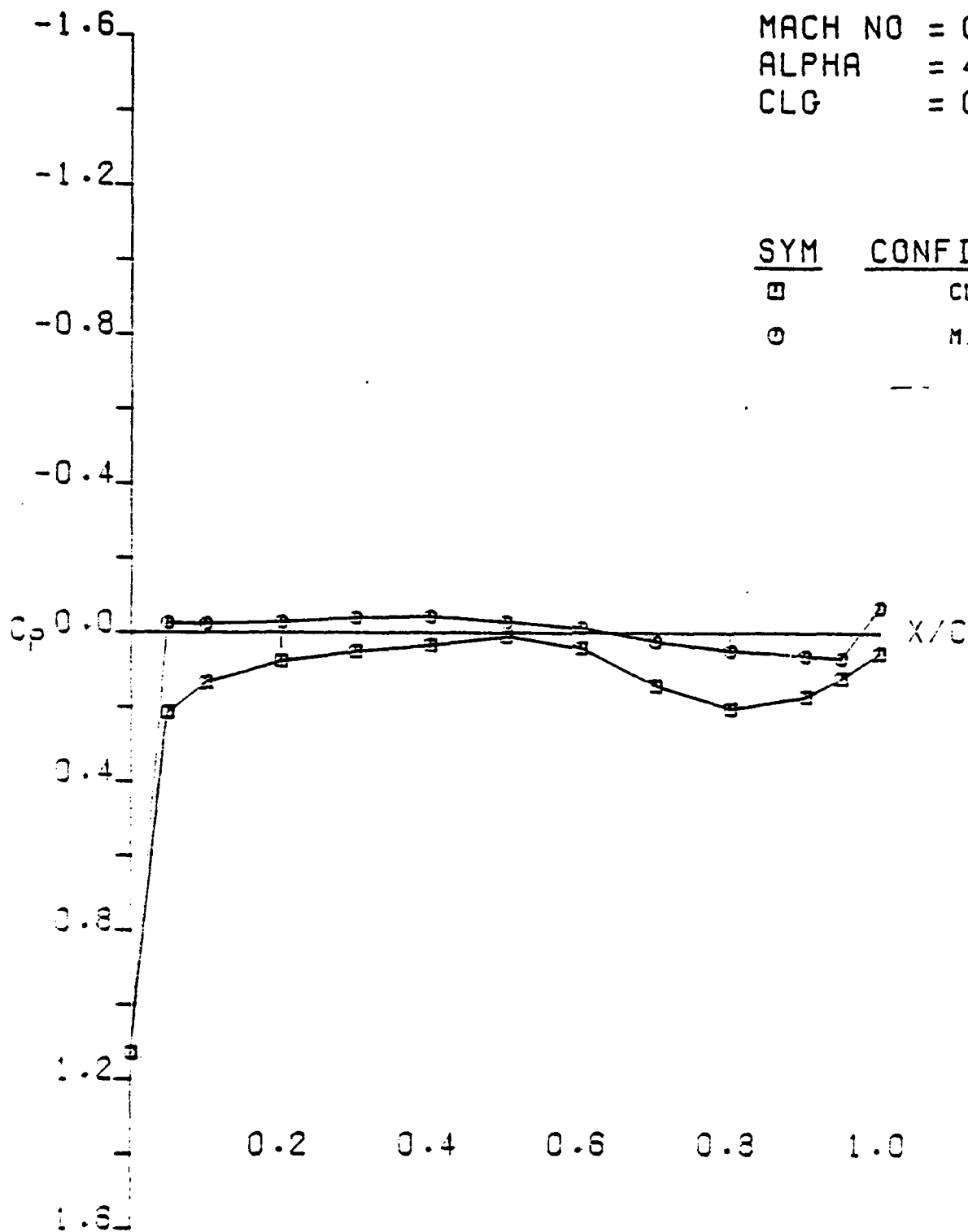
CONDITIONS

MACH NO = 0.701
ALPHA = 4.349
CL = 0.447
CD = 0.037
CM = -0.065
CLG = 0.447

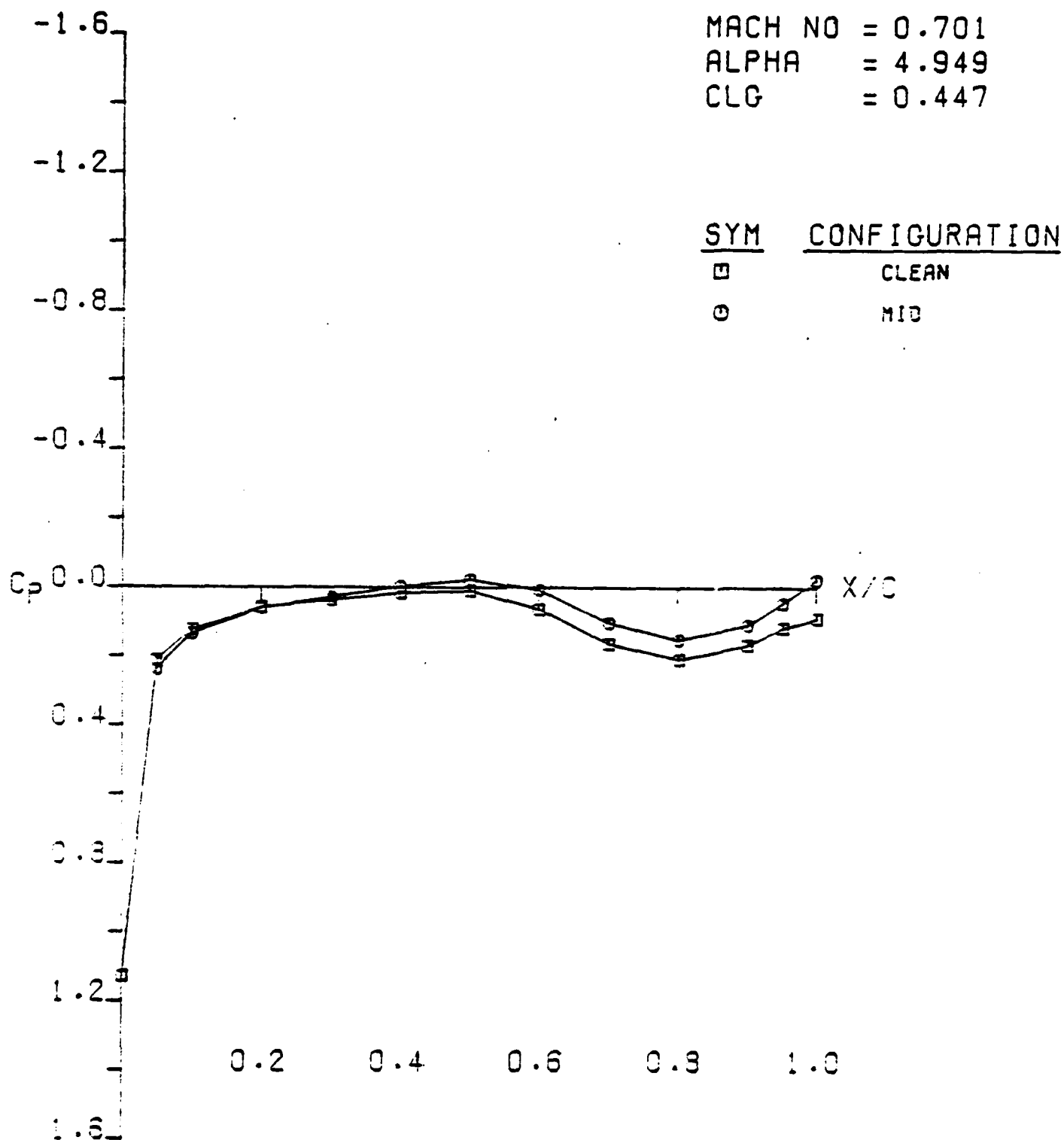
LOCKHEED CFMT SEMI-SPAN TEST, RUN 24
CLN VS MID - NO SEAL (LWR SURF)
NUMERICALLY OPTIMIZED WING C

MACH NO = 0.701
 ALPHA = 4.949
 CLG = 0.447

SYM	CONFIGURATION
□	CLEAN
○	MID



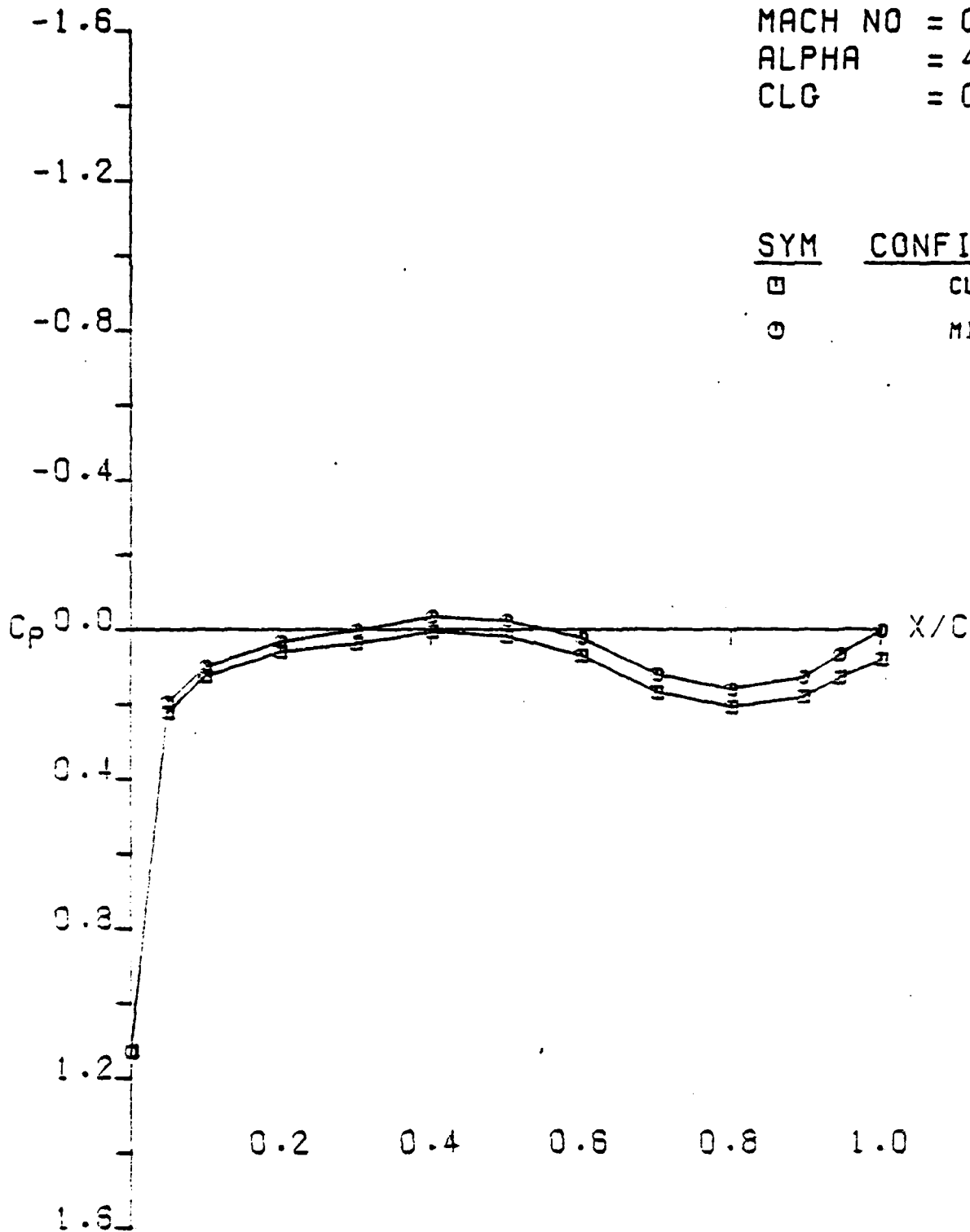
LOCKHEED CFWT SEMI-SPAN TEST, RUN 24
 CLN VS MID - NO SEAL (LWR SURF ETA .10)
 NUMERICALLY OPTIMIZED WING C



LOCKHEED CFWT SEMI-SPAN TEST, RUN 24
 CLN VS MID - NO SEAL (LWR SURF ETA .30)
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.701
 ALPHA = 4.949
 CLG = 0.447

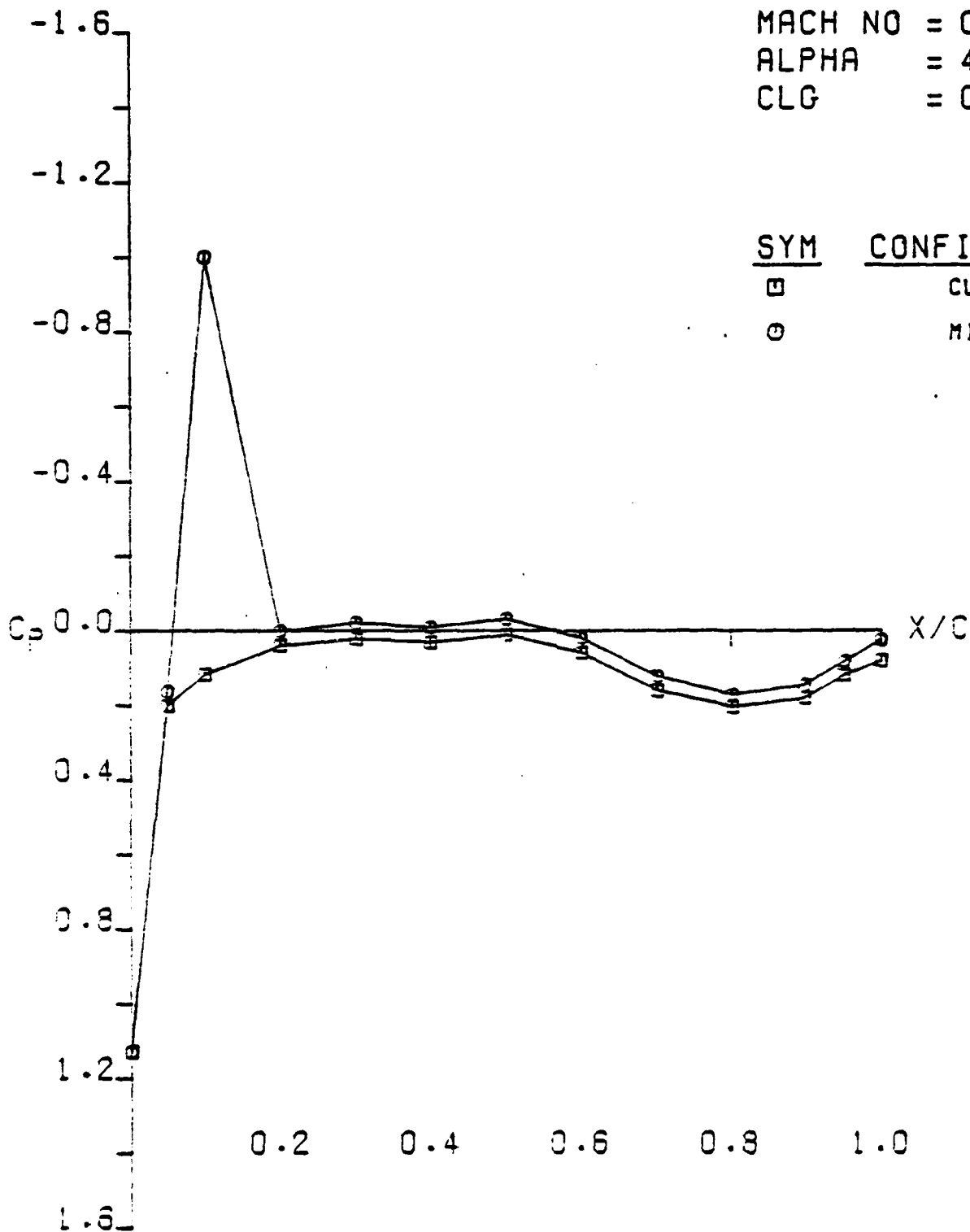
SYM	CONFIGURATION
□	CLEAN
○	MID



LOCKHEED CFWT SEMI-SPAN TEST, RUN 24
 CLN VS MID - NO SEAL (LWR SURF ETA .50)
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.701
 ALPHA = 4.949
 CLG = 0.447

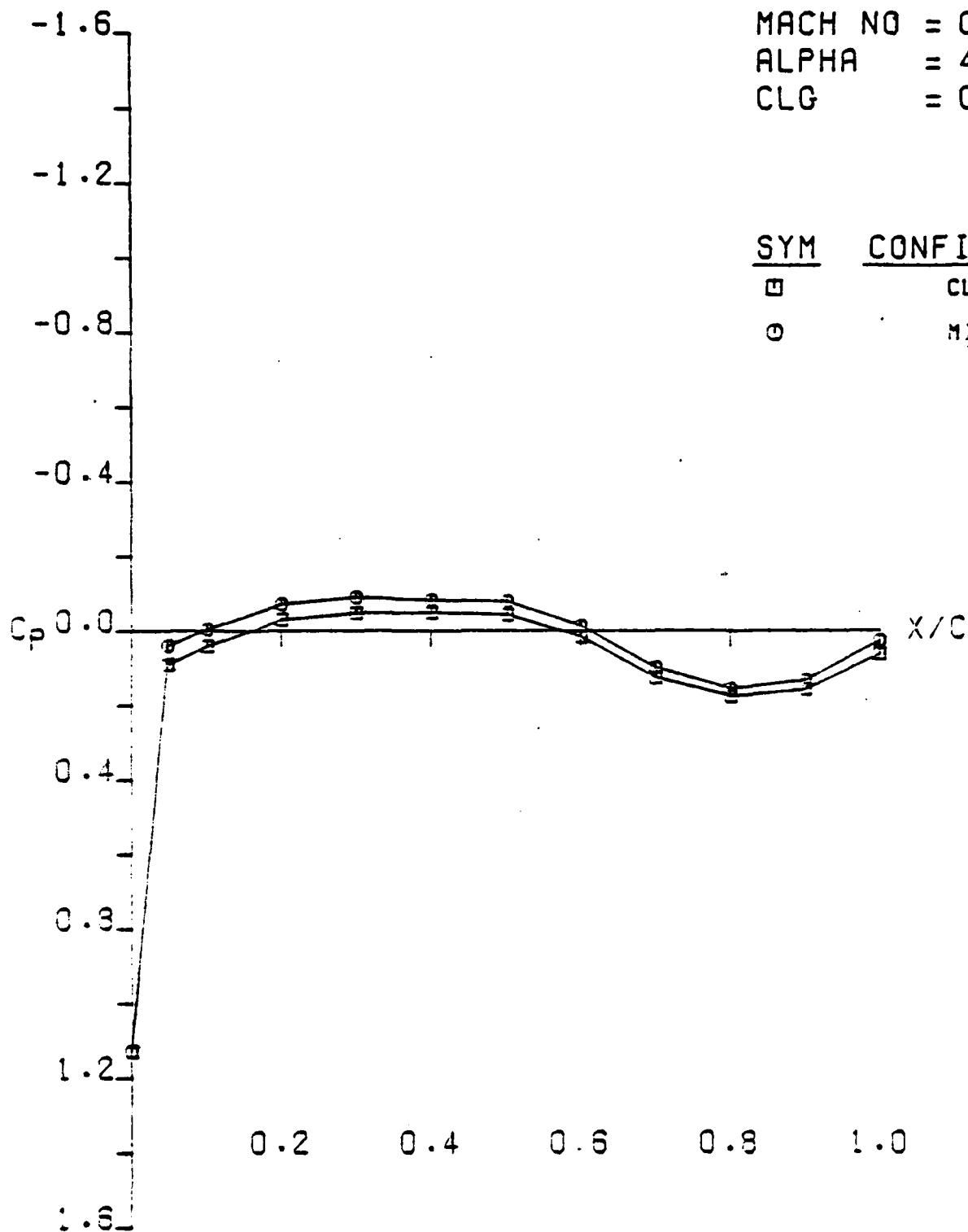
SYM	CONFIGURATION
□	CLEAN
○	MID



LOCKHEED CFWT SEMI-SPAN TEST, RUN 24
 CLN VS MID - NO SEAL (LWR SURF ETA .70)
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.701
 ALPHA = 4.949
 CLG = 0.447

SYM	CONFIGURATION
□	CLEAN
○	MID

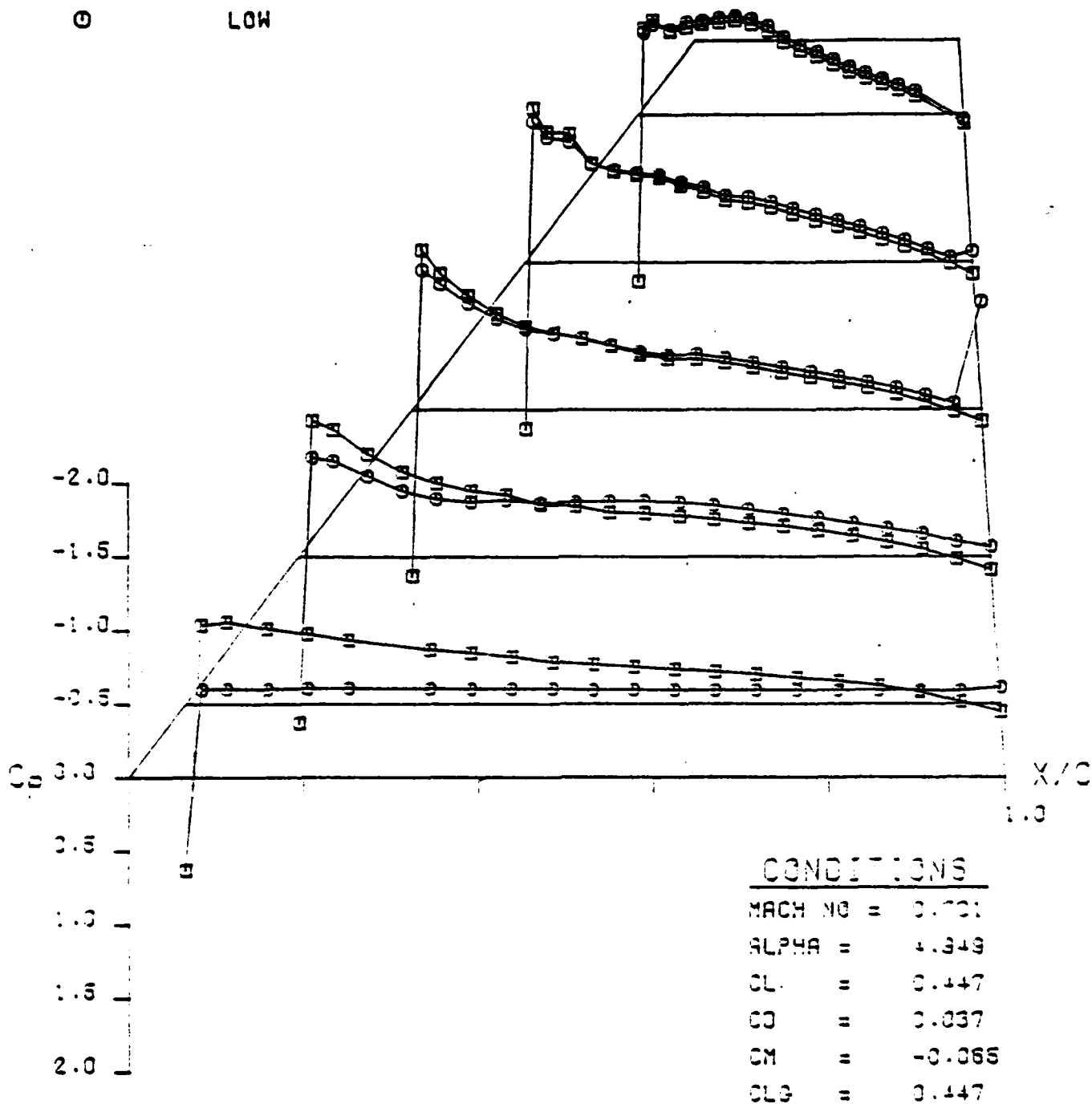


LOCKHEED CFWT SEMI-SPAN TEST, RUN 24
 CLN VS MID - NO SEAL (LWR SURF ETA .90)
 NUMERICALLY OPTIMIZED WING C

SYM CONFIGURATION

□
○

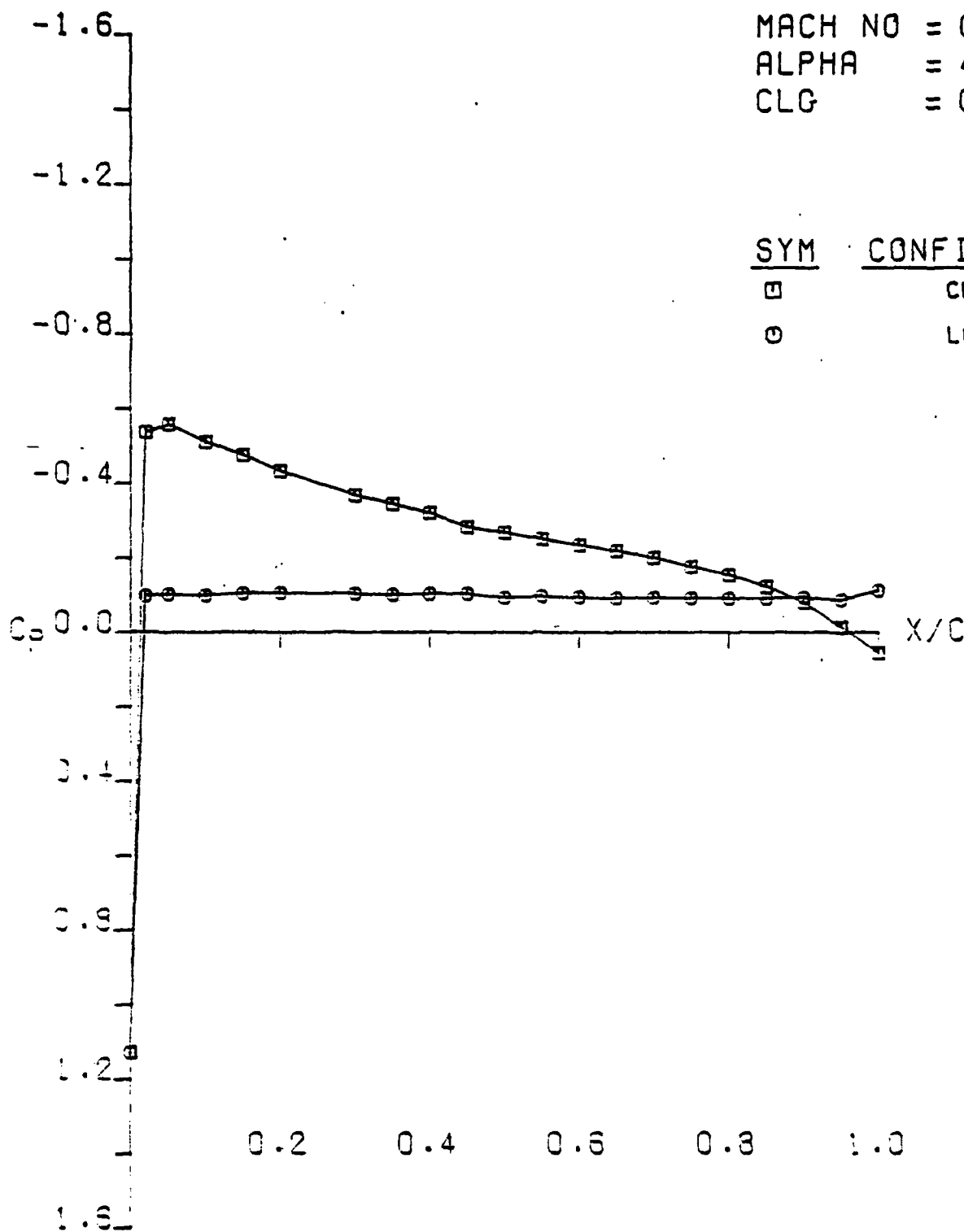
CLEAN
LOW



LOCKHEED CPWT SEMI-SPAN TEST, RUN 24
 CLN VS LOW (UPR SURF)
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.701
 ALPHA = 4.949
 CLG = 0.447

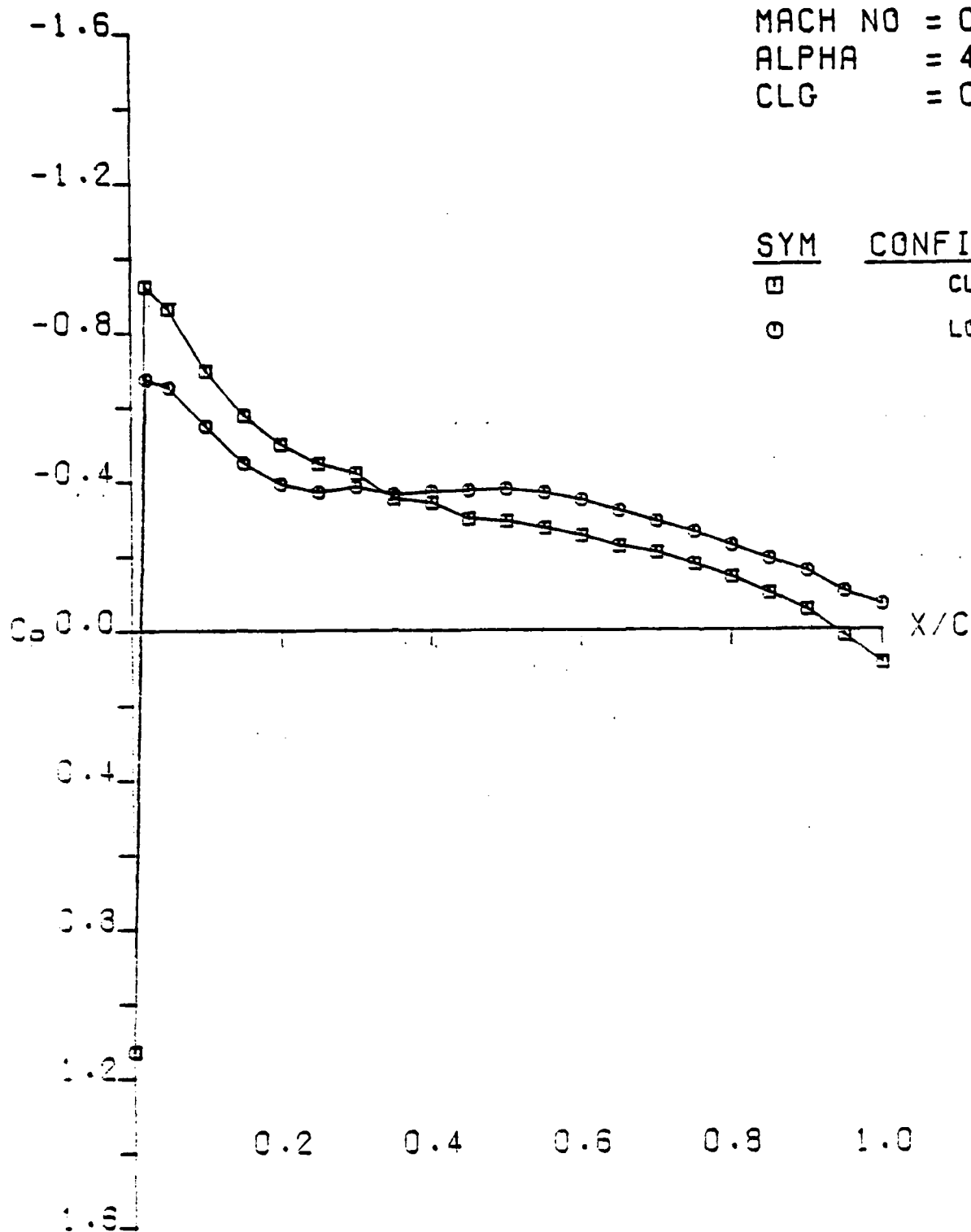
SYM	CONFIGURATION
□	CLEAN
○	LOW



LOCKHEED CFWT SEMI-SPAN TEST, RUN 24
 CLN VS LOW (UPR SURF ETA .10)
 NUMERICALLY OPTIMIZED WING C

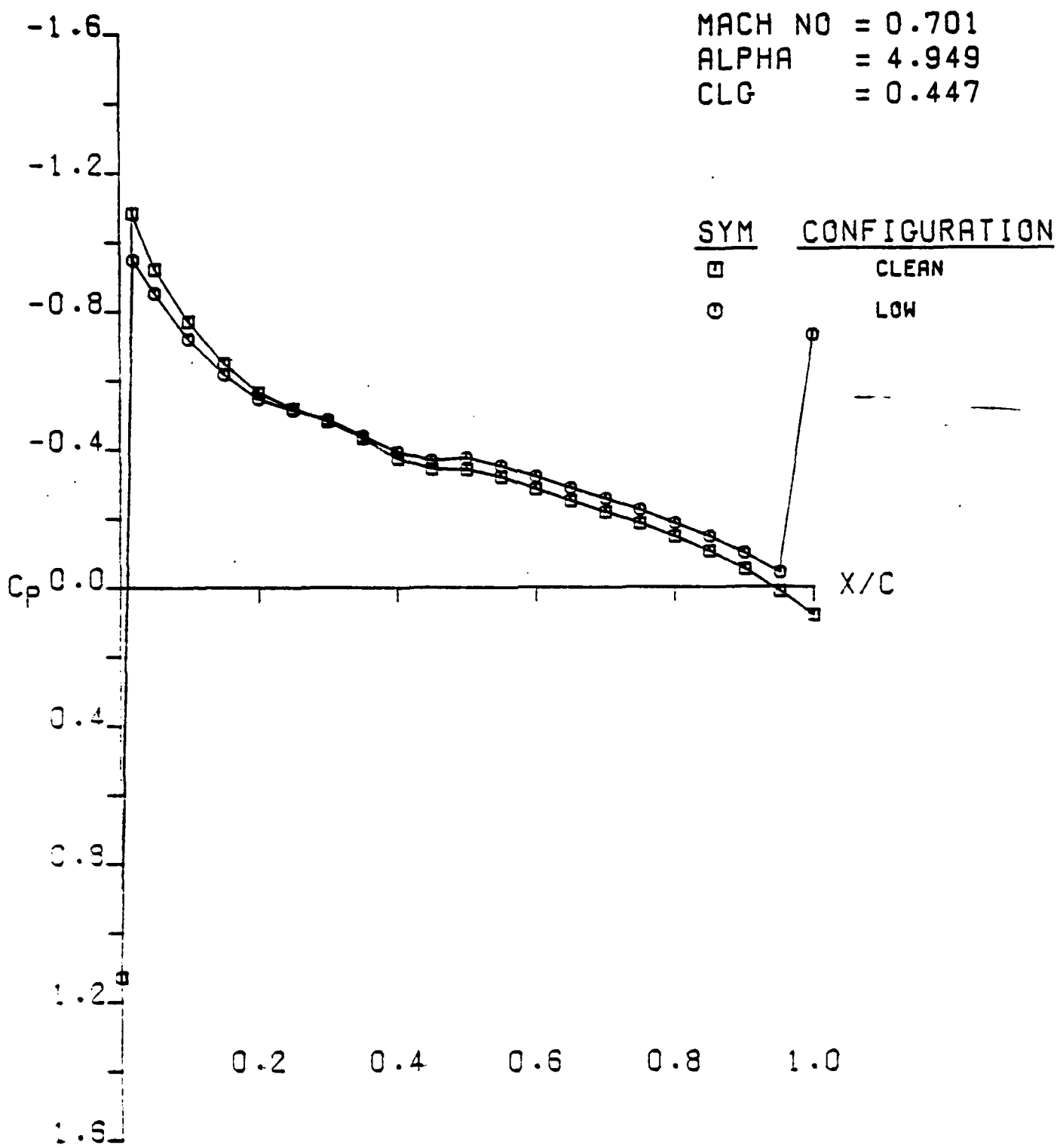
MACH NO = 0.701
 ALPHA = 4.949
 CLG = 0.447

SYM	CONFIGURATION
□	CLEAN
○	LOW

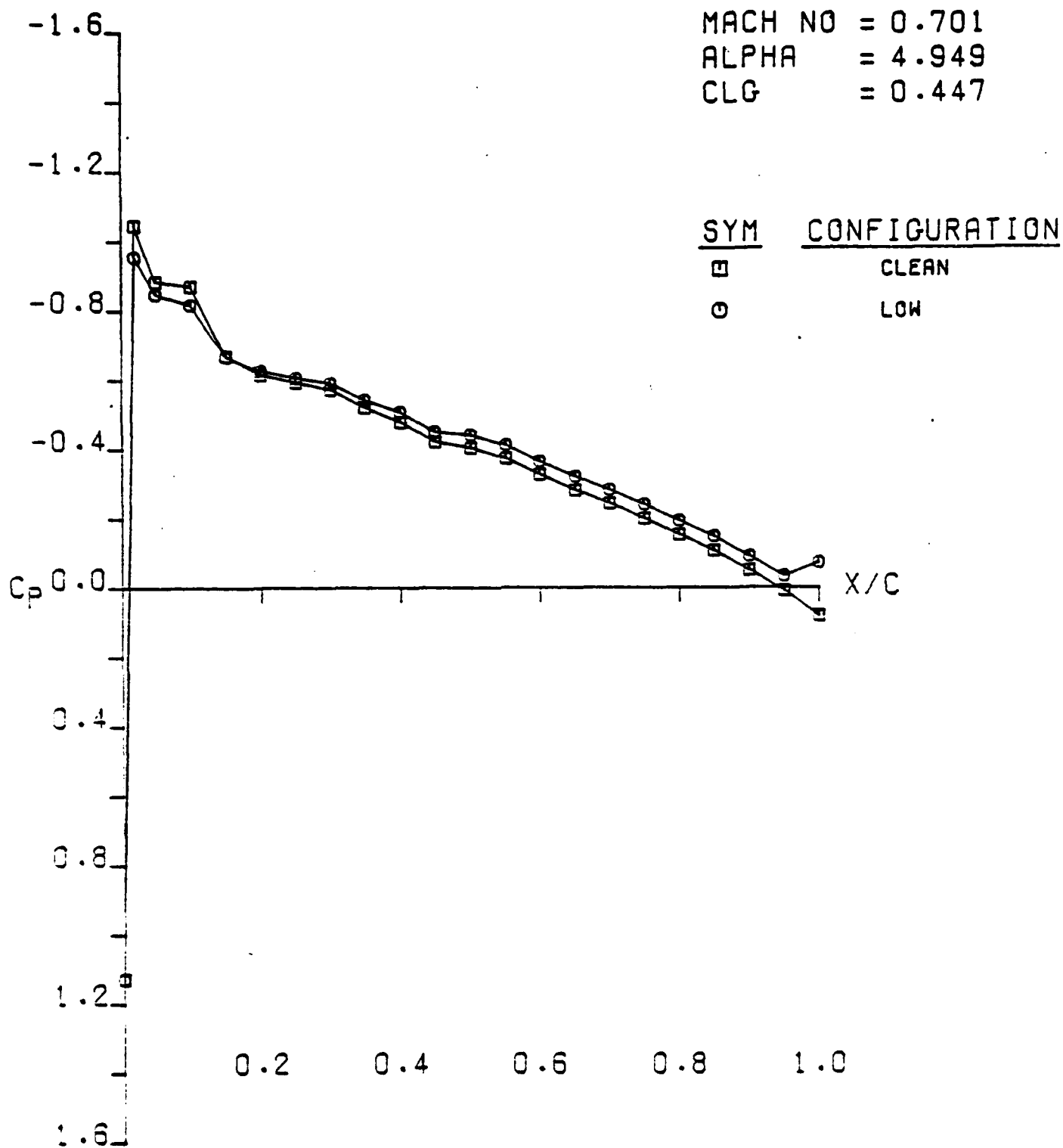


LOCKHEED CFMT SEMI-SPAN TEST, RUN 24
 CLN VS LOW (UPR SURF ETA .30)
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.701
 ALPHA = 4.949
 CLG = 0.447



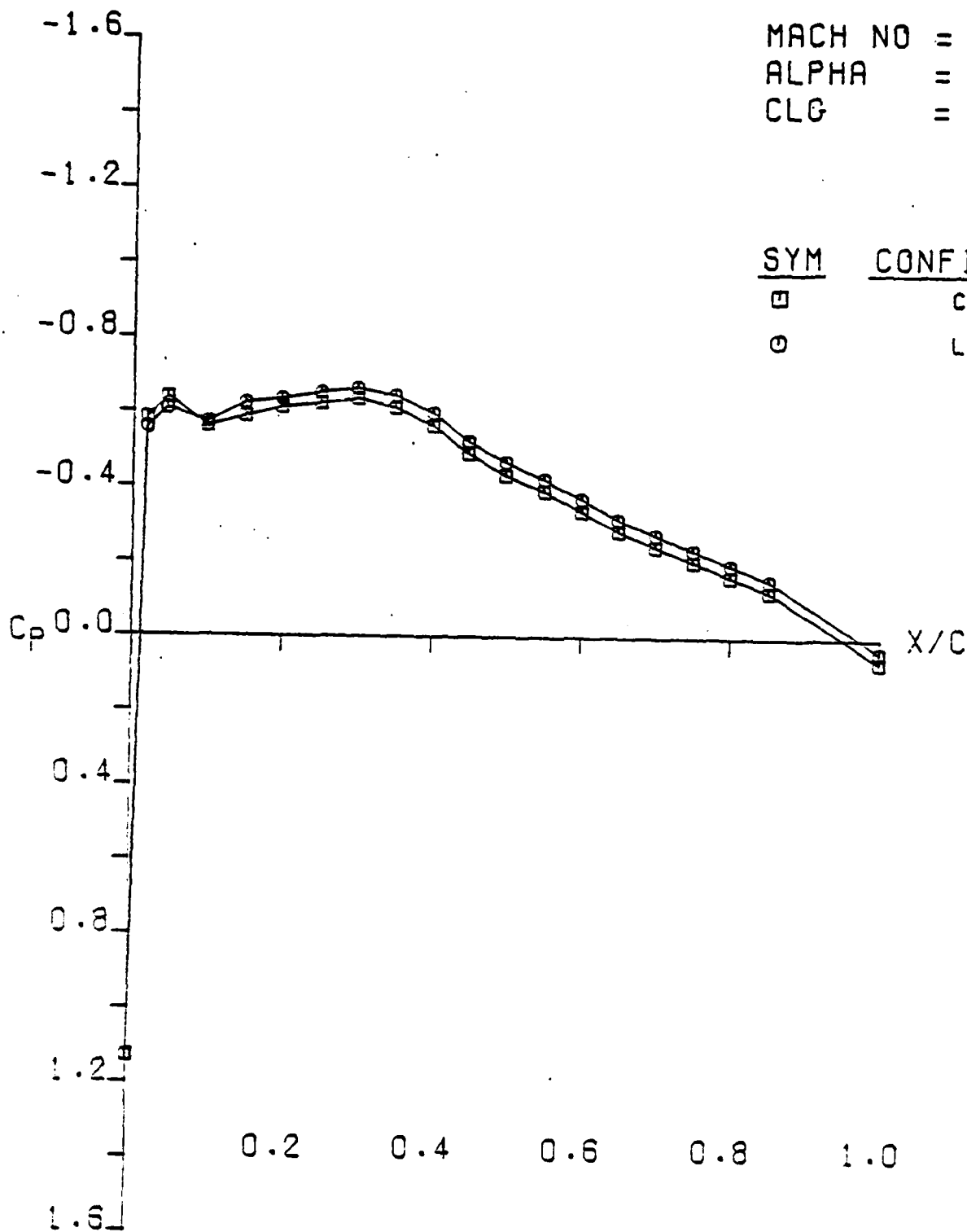
LOCKHEED CFWT SEMI-SPAN TEST, RUN 24
 CLN VS LOW (UPR SURF ETA .50)
 NUMERICALLY OPTIMIZED WING C



LOCKHEED CFWT SEMI-SPAN TEST, RUN 21
CLN VS LOW (UPR SURF ETA .70)
NUMERICALLY OPTIMIZED WING C

MACH NO = 0.701
 ALPHA = 4.949
 CLG = 0.447

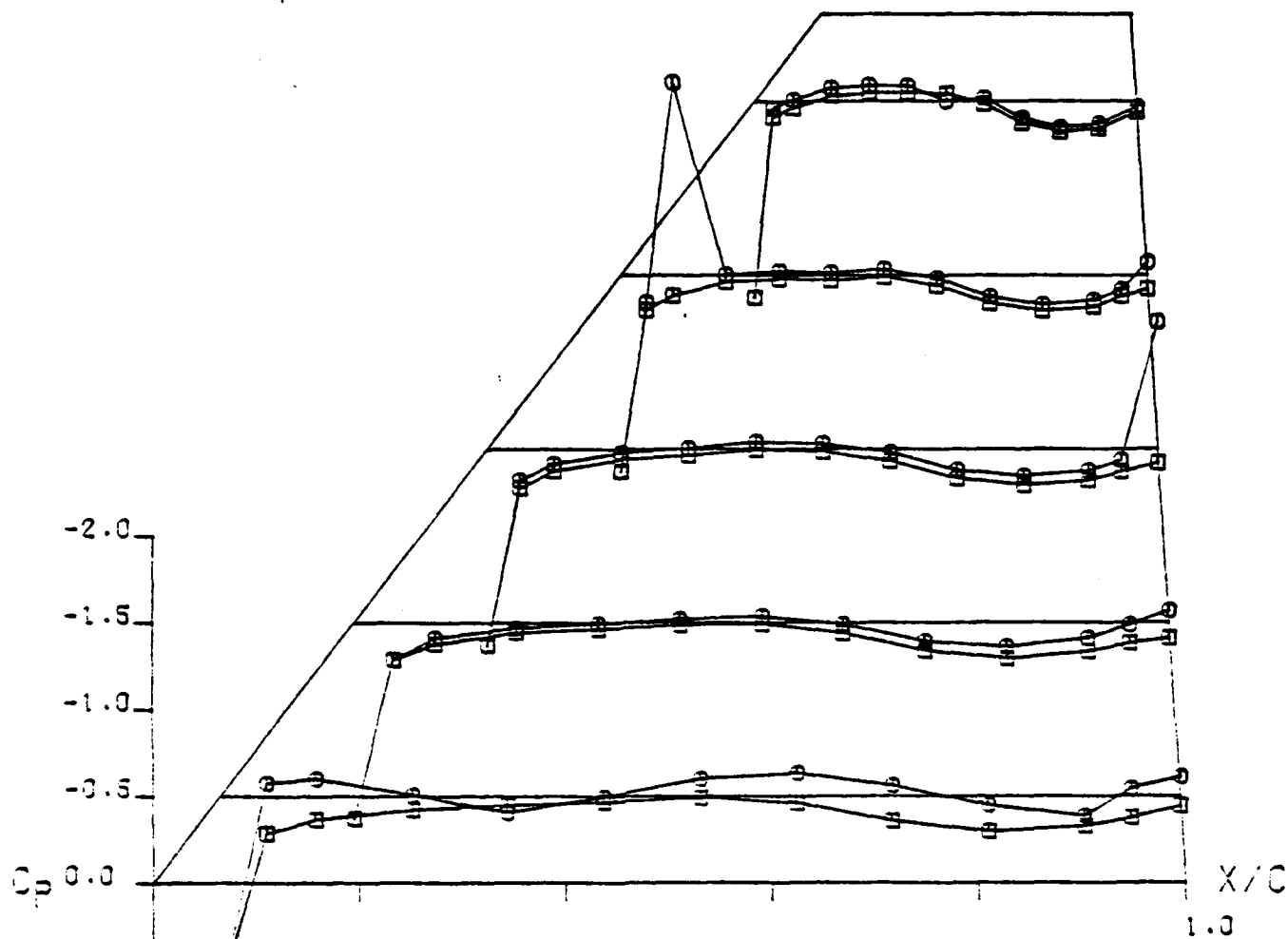
SYM	CONFIGURATION
□	CLEAN
○	LOW



LOCKHEED CFWT SEMI-SPAN TEST, RUN 24
 CLN VS LOW (UPR SURF ETA .90)
 NUMERICALLY OPTIMIZED WING C

SYM CONFIGURATION

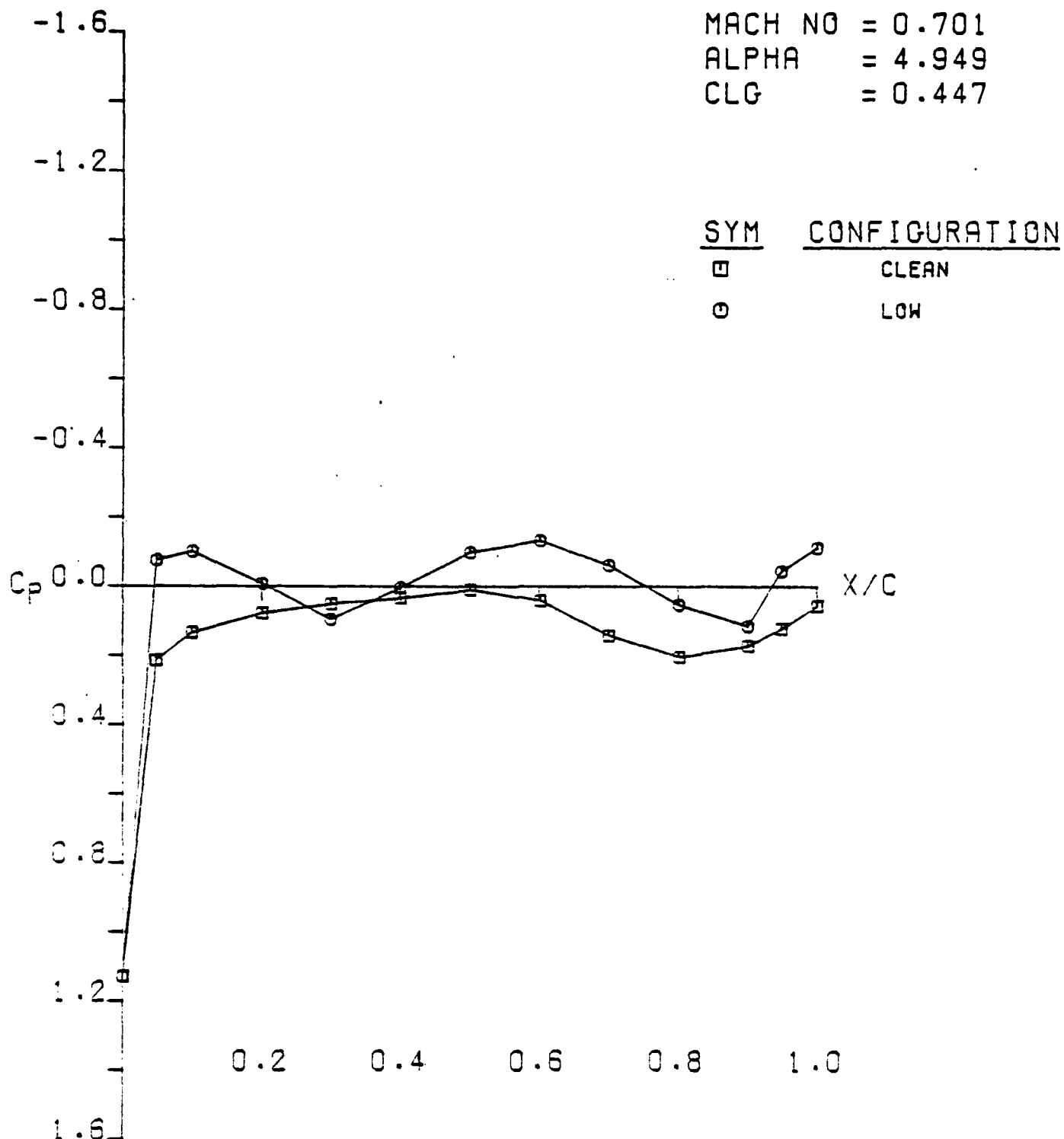
□ CLEAN
○ LOW



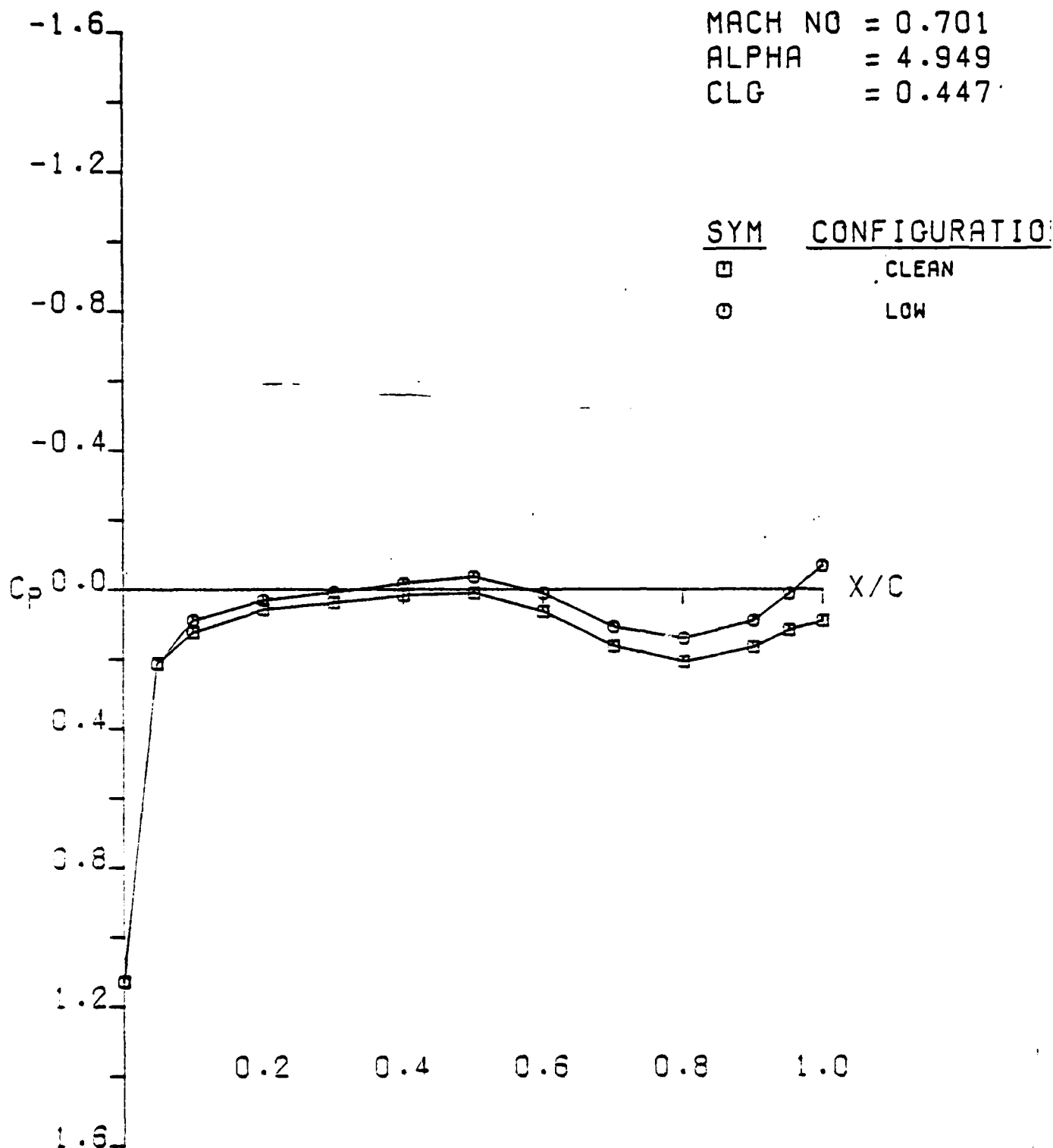
CONDITIONS

MACH NO = 0.701
ALPHA = 4.349
CL = 0.447
CD = 0.037
CM = -0.065
CLG = 0.447

LOCKHEED CFWT SEMI-SPAN TEST, RUN 24
CLN VS LOW (LWR SURF)
NUMERICALLY OPTIMIZED WING C

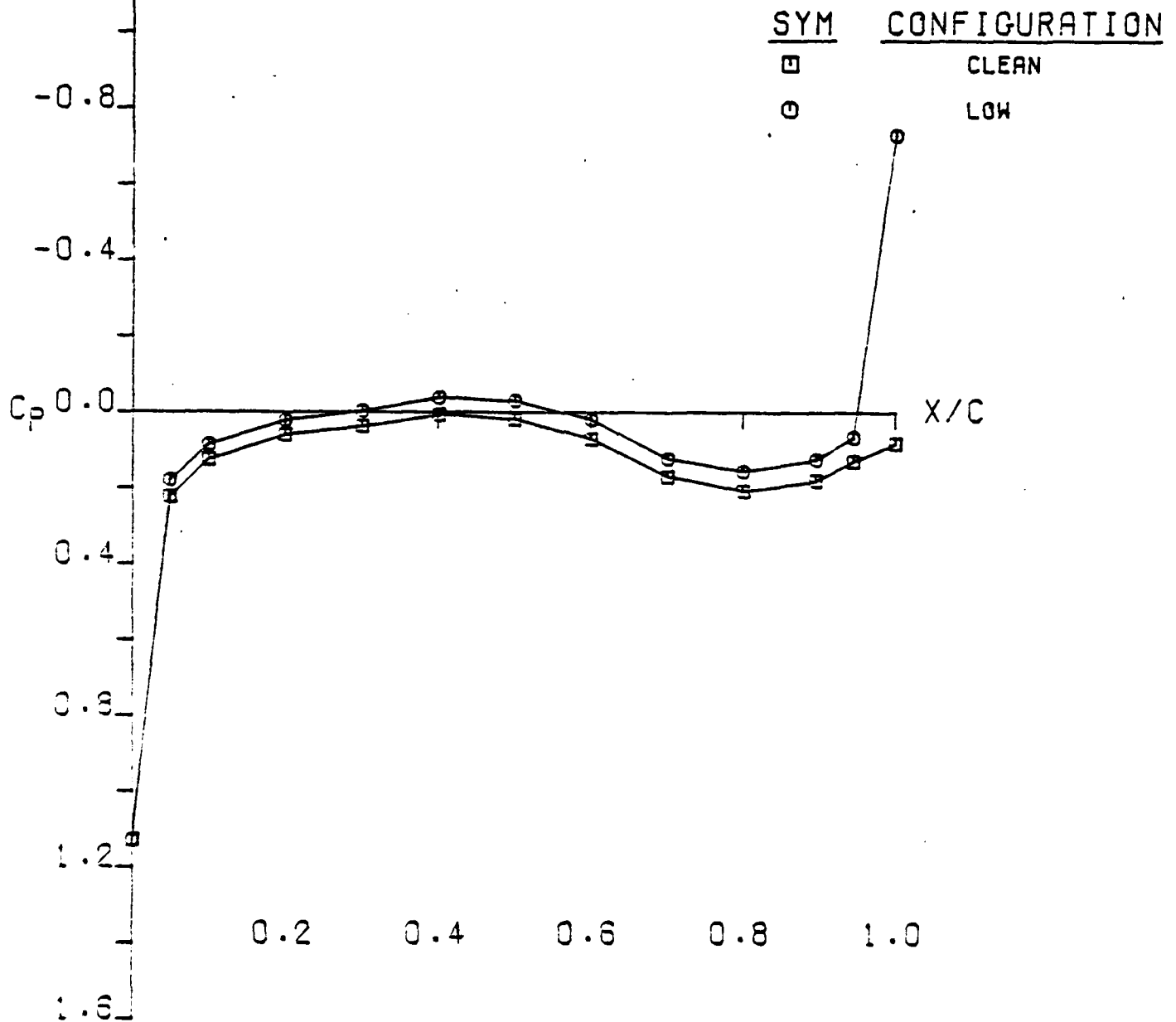


LOCKHEED CFWT SEMI-SPAN TEST, RUN 24
CLN VS LOW (LWR SURF ETA .10)
NUMERICALLY OPTIMIZED WING C

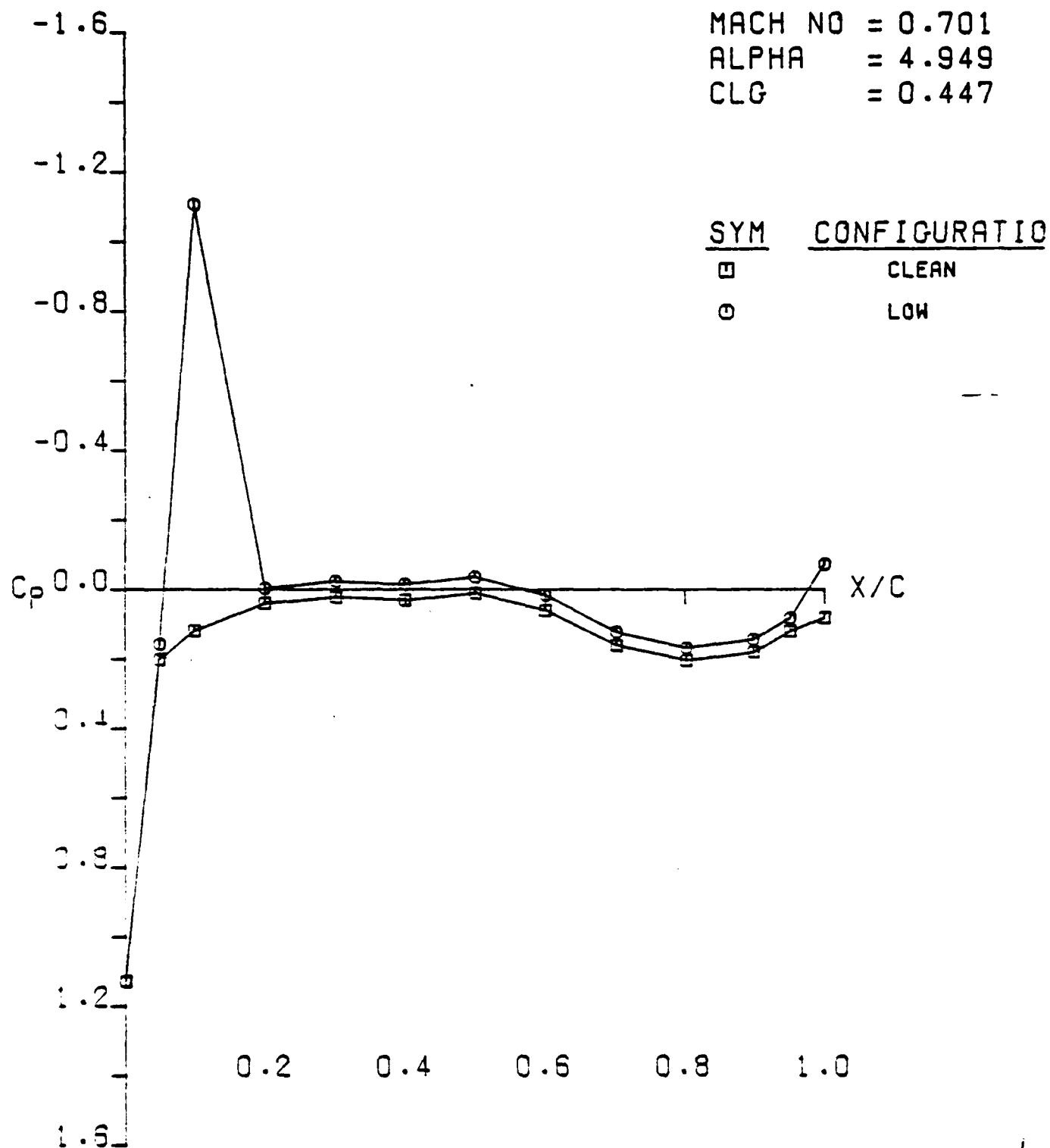


LOCKHEED CFWT SEMI-SPAN TEST, RUN 24
CLN VS LOW (LWR SURF ETA .30)
NUMERICALLY OPTIMIZED WING C

MACH NO = 0.701
 ALPHA = 4.949
 CLG = 0.447



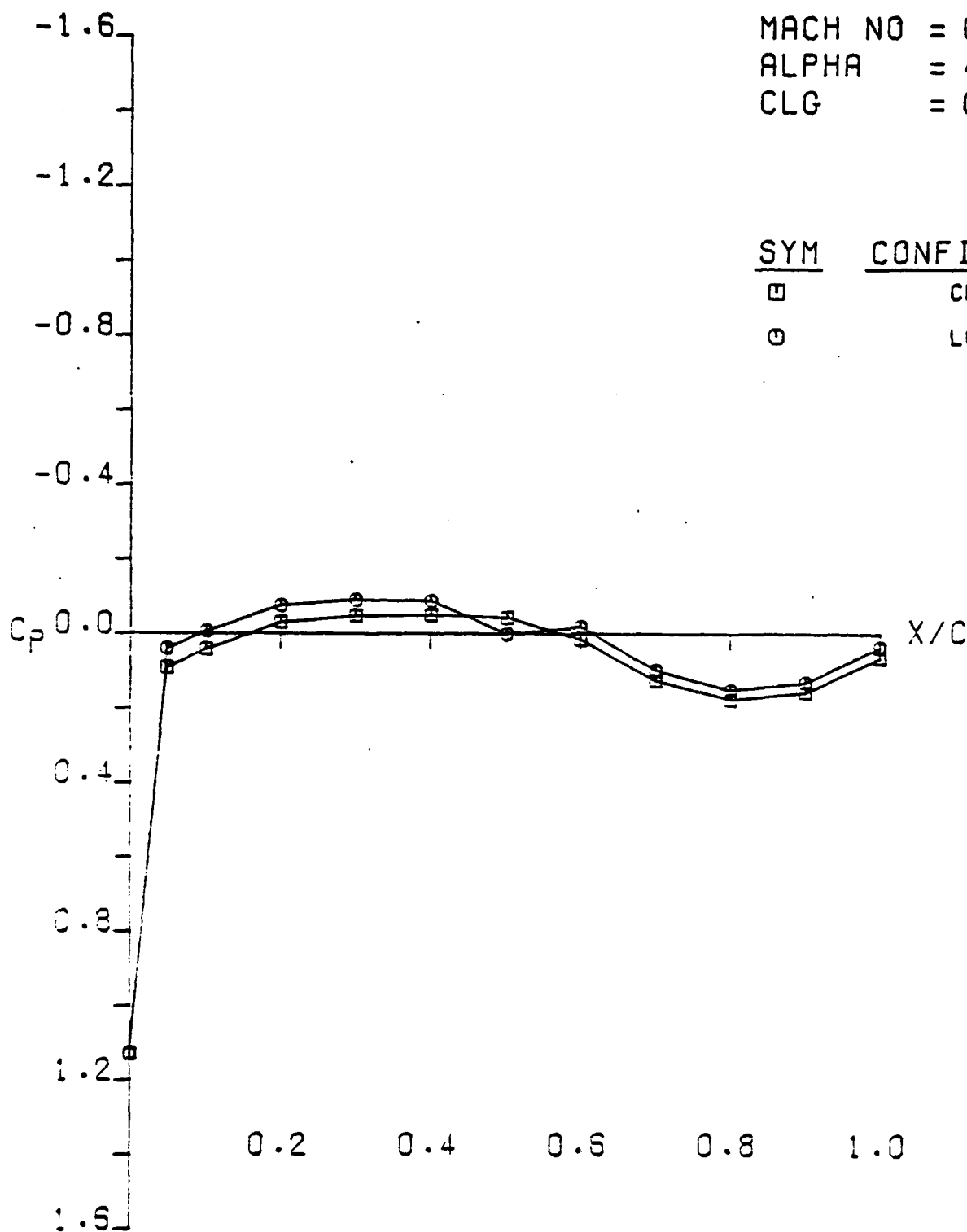
LOCKHEED CFWT SEMI-SPAN TEST, RUN 24
 CLN VS LOW (LWR SURF ETA .50)
 NUMERICALLY OPTIMIZED WING C



LOCKHEED CFWT SEMI-SPAN TEST, RUN 24
 CLN VS LOW (LWR SURF ETA .70)
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.701
 ALPHA = 4.949
 CLG = 0.447

SYM	CONFIGURATION
□	CLEAN
○	LOW

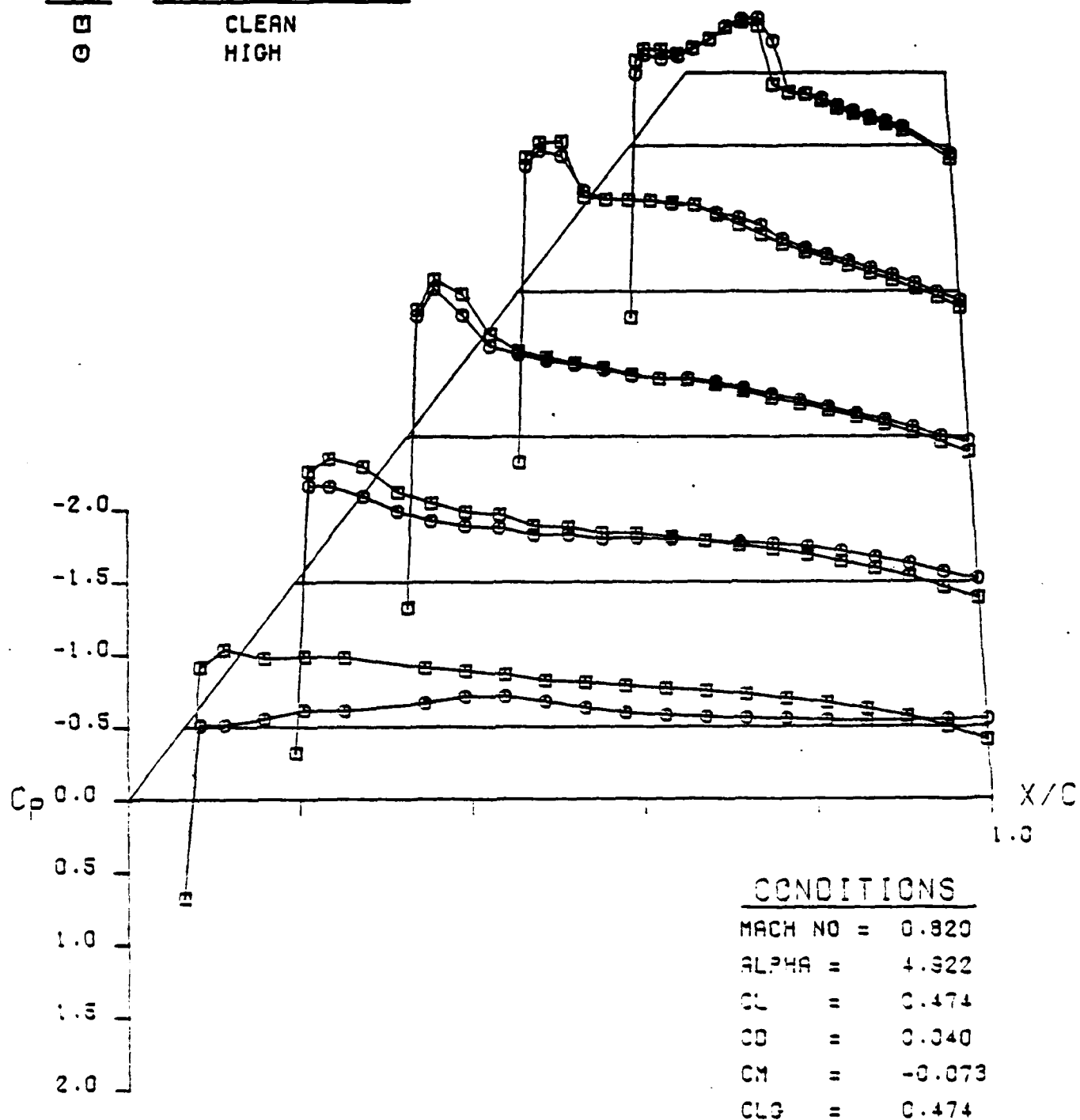


LOCKHEED CFWT SEMI-SPAN TEST, RUN 24
 CLN VS LOW (LWR SURF ETA .90)
 NUMERICALLY OPTIMIZED WING C

SYN CONFIGURATION

□
○

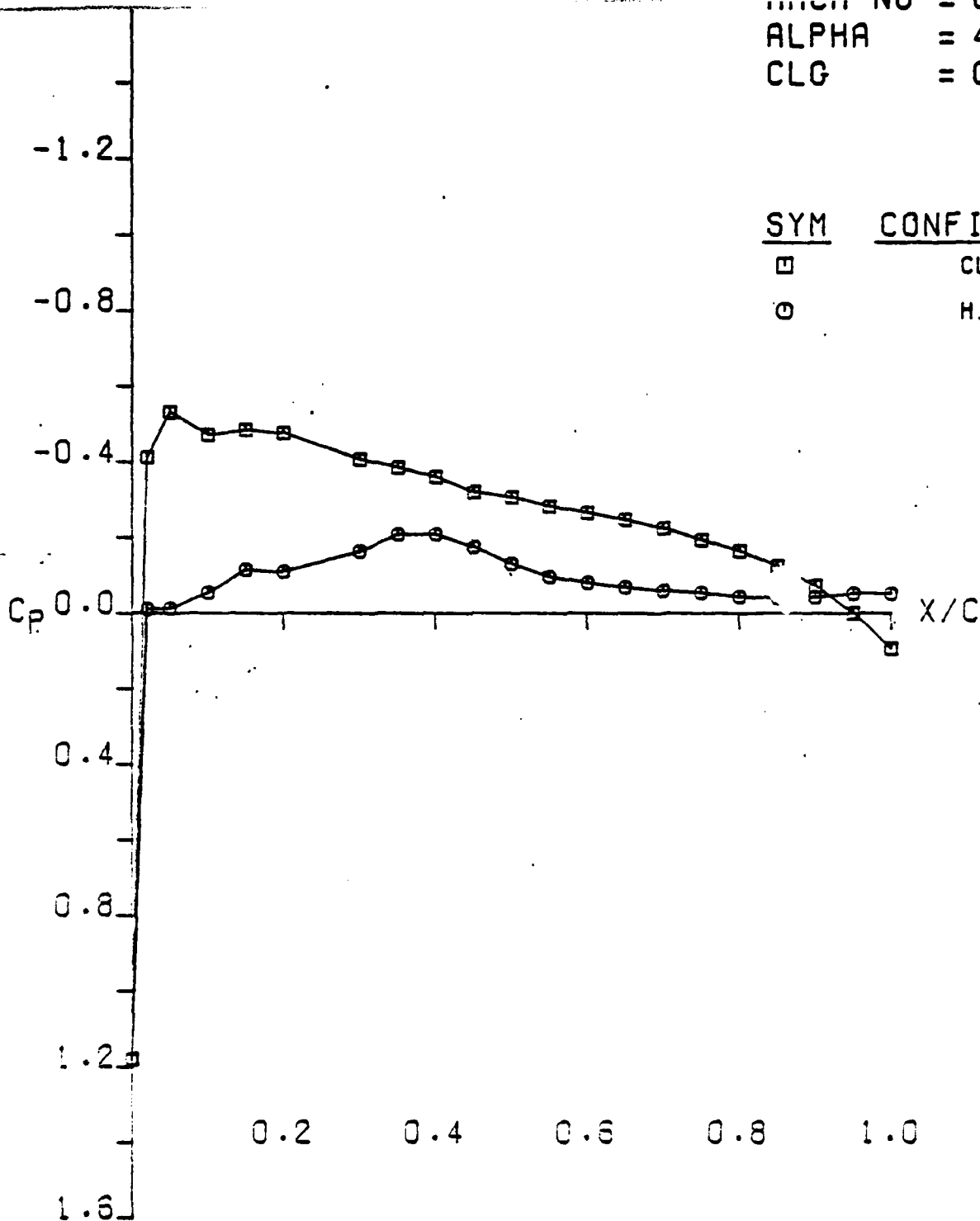
CLEAN
HIGH



LOCKHEED CFWT SEMI-SPAN TEST, RUN 30
CLN VS HIGH (UPR SURF)
NUMERICALLY OPTIMIZED WING C

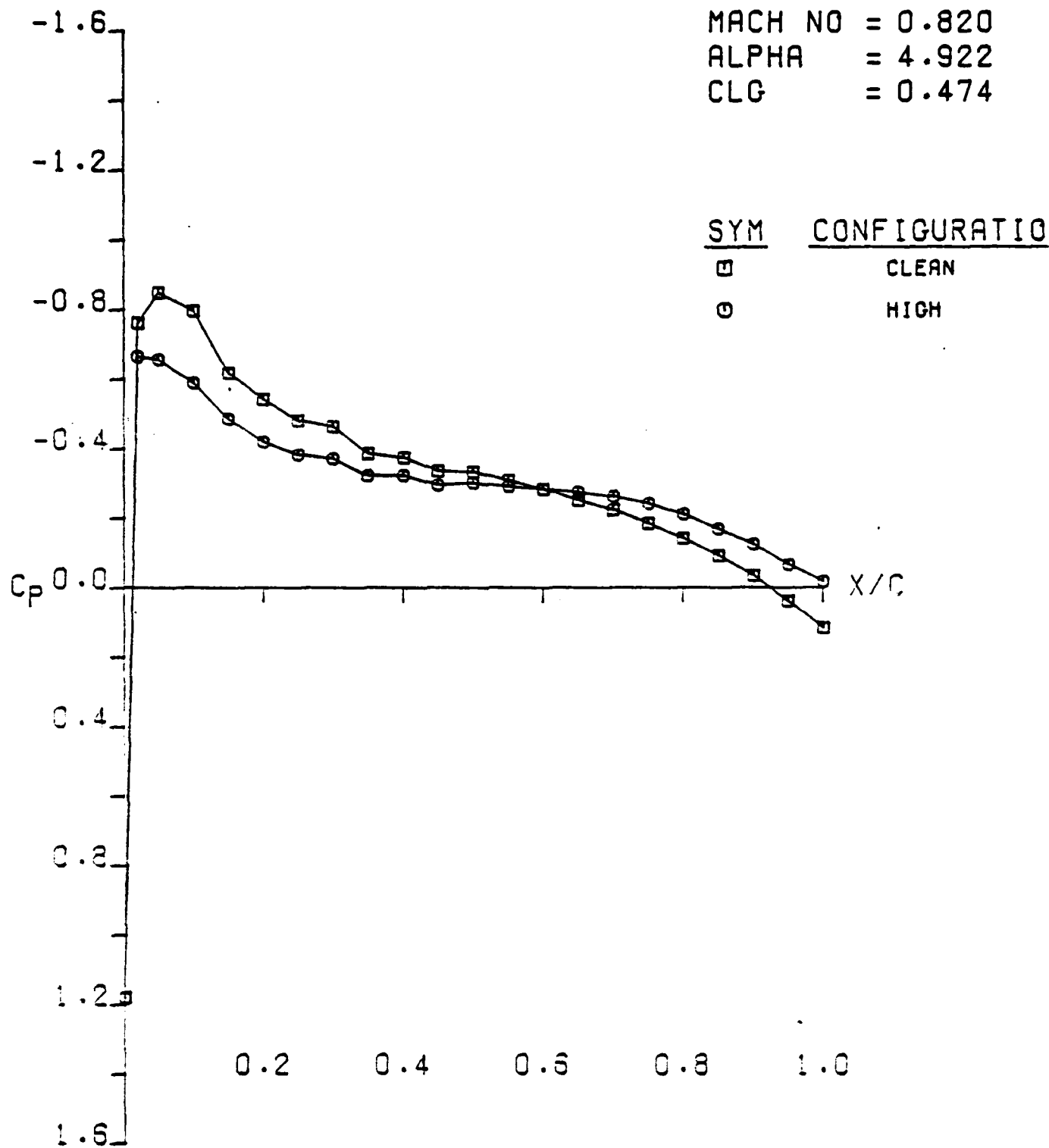
MACH NO = 0.820
 ALPHA = 4.922
 CLG = 0.474

SYM	CONFIGURATION
□	CLEAN
○	HIGH



LOCKHEED CFWT SEMI-SPAN TEST, RUN 30
 CLN VS HIGH (UPR SURF ETA .10)
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.820
 ALPHA = 4.922
 CLG = 0.474

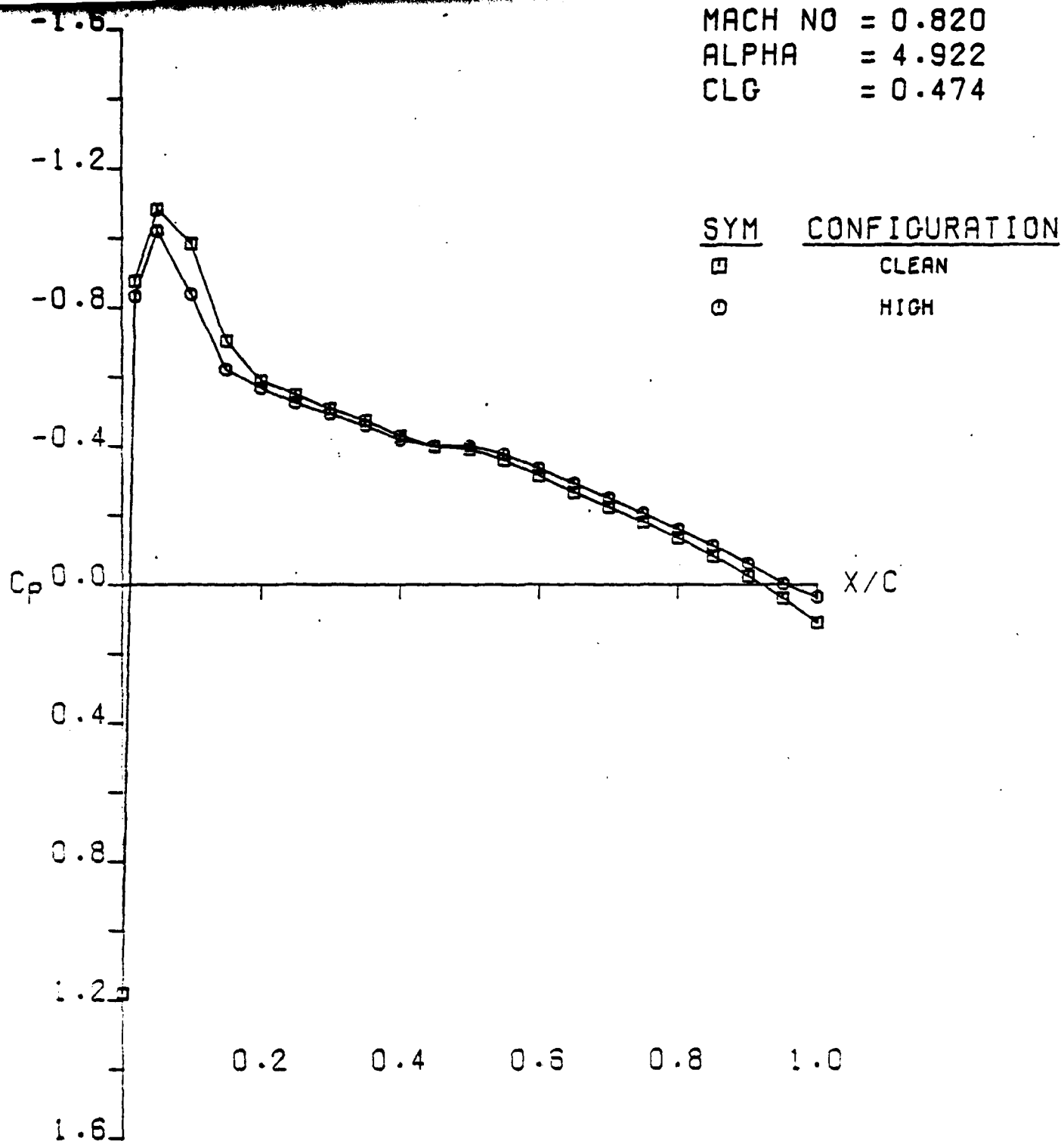


LOCKHEED CFWT SEMI-SPAN TEST, RUN 30
 CLN VS HIGH (UPR SURF ETA .30)
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.820

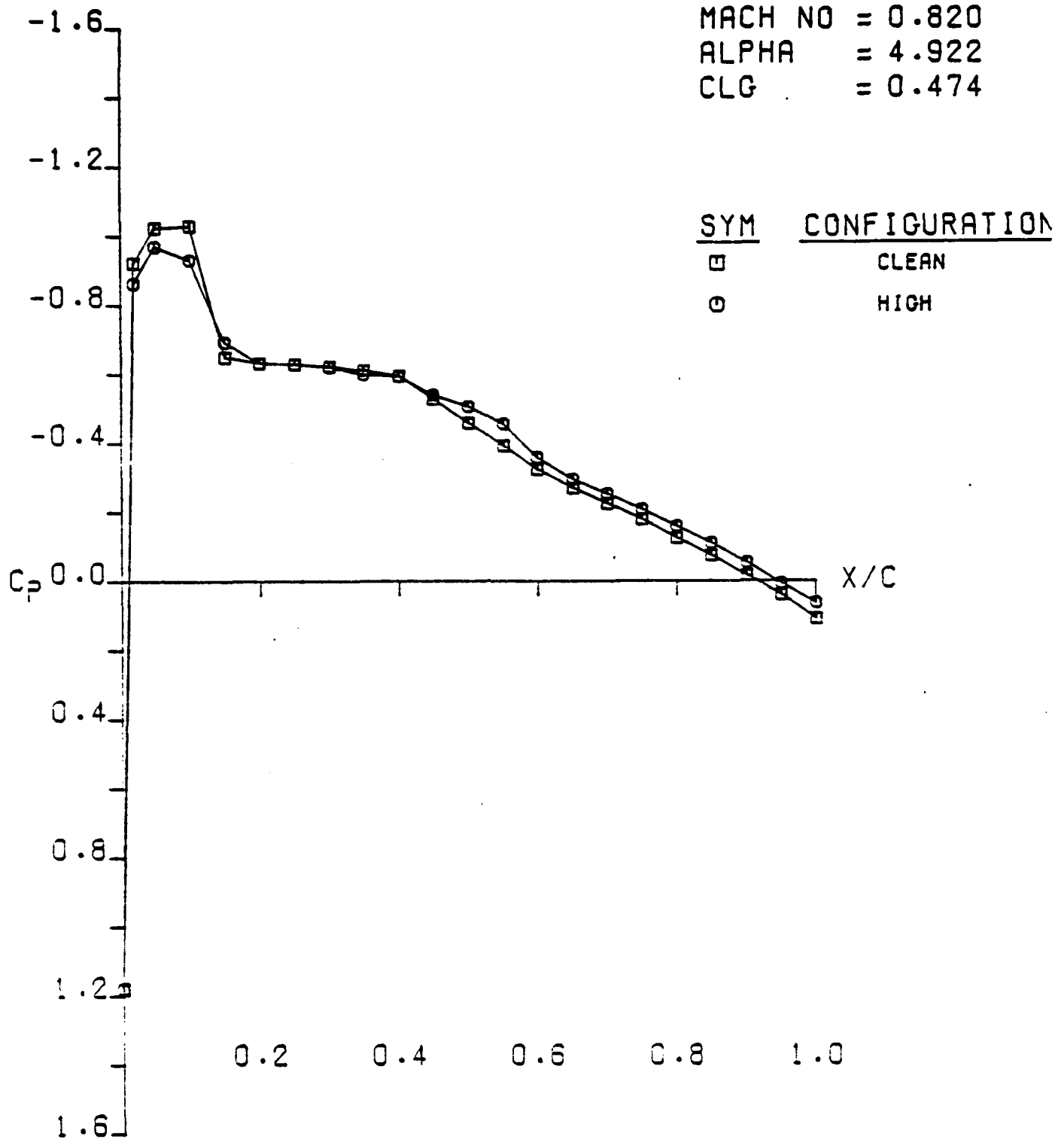
ALPHA = 4.922

CLG = 0.474



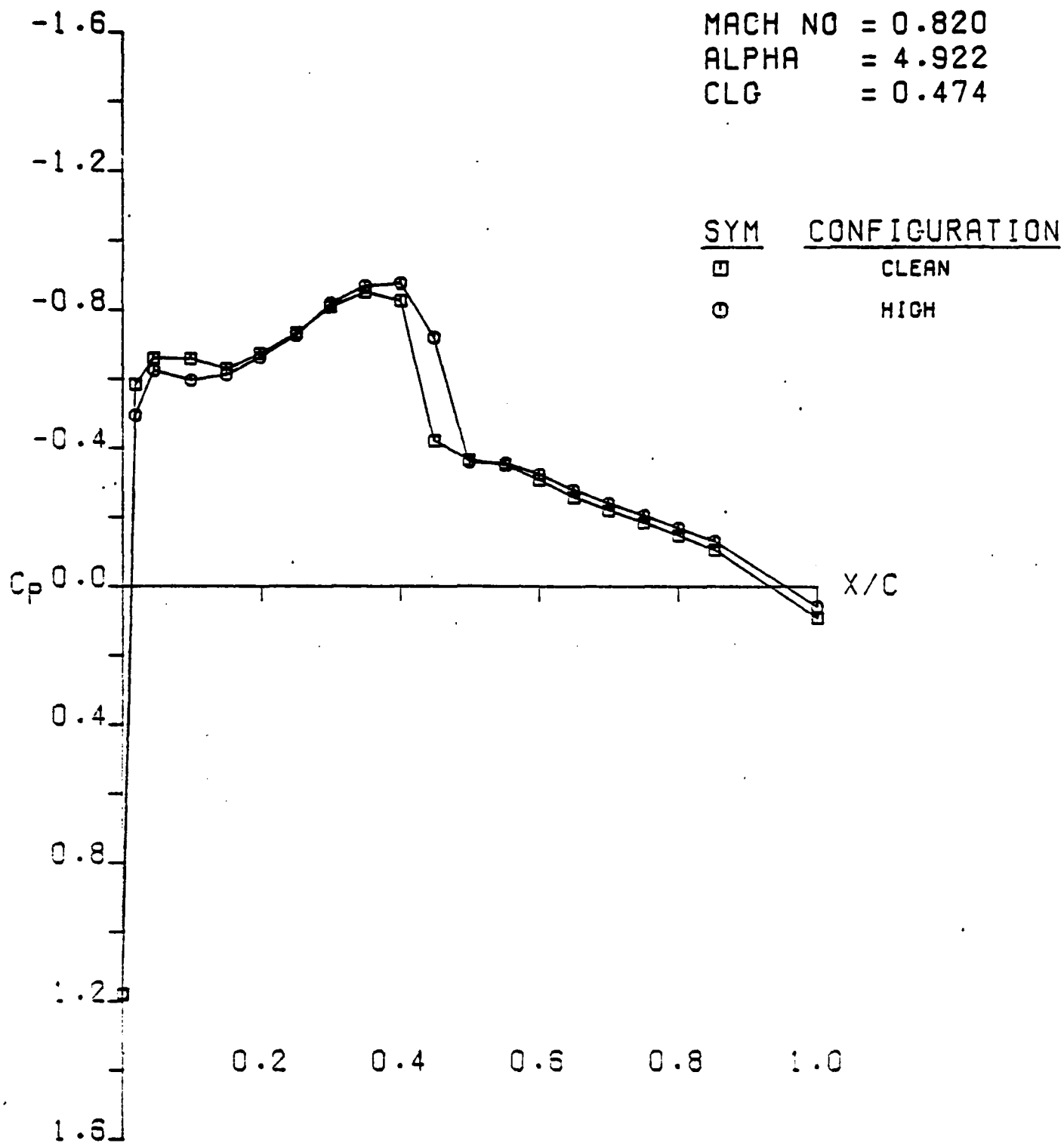
LOCKHEED CFWT SEMI-SPAN TEST, RUN 30
CLN VS HIGH (UPR SURF ETA .50)
NUMERICALLY OPTIMIZED WING C

MACH NO = 0.820
 ALPHA = 4.922
 CLG = 0.474



LOCKHEED CFWT SEMI-SPAN TEST, RUN 30
 CLN VS HIGH (UPR SURF ETA .70)
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.820
 ALPHA = 4.922
 CLG = 0.474

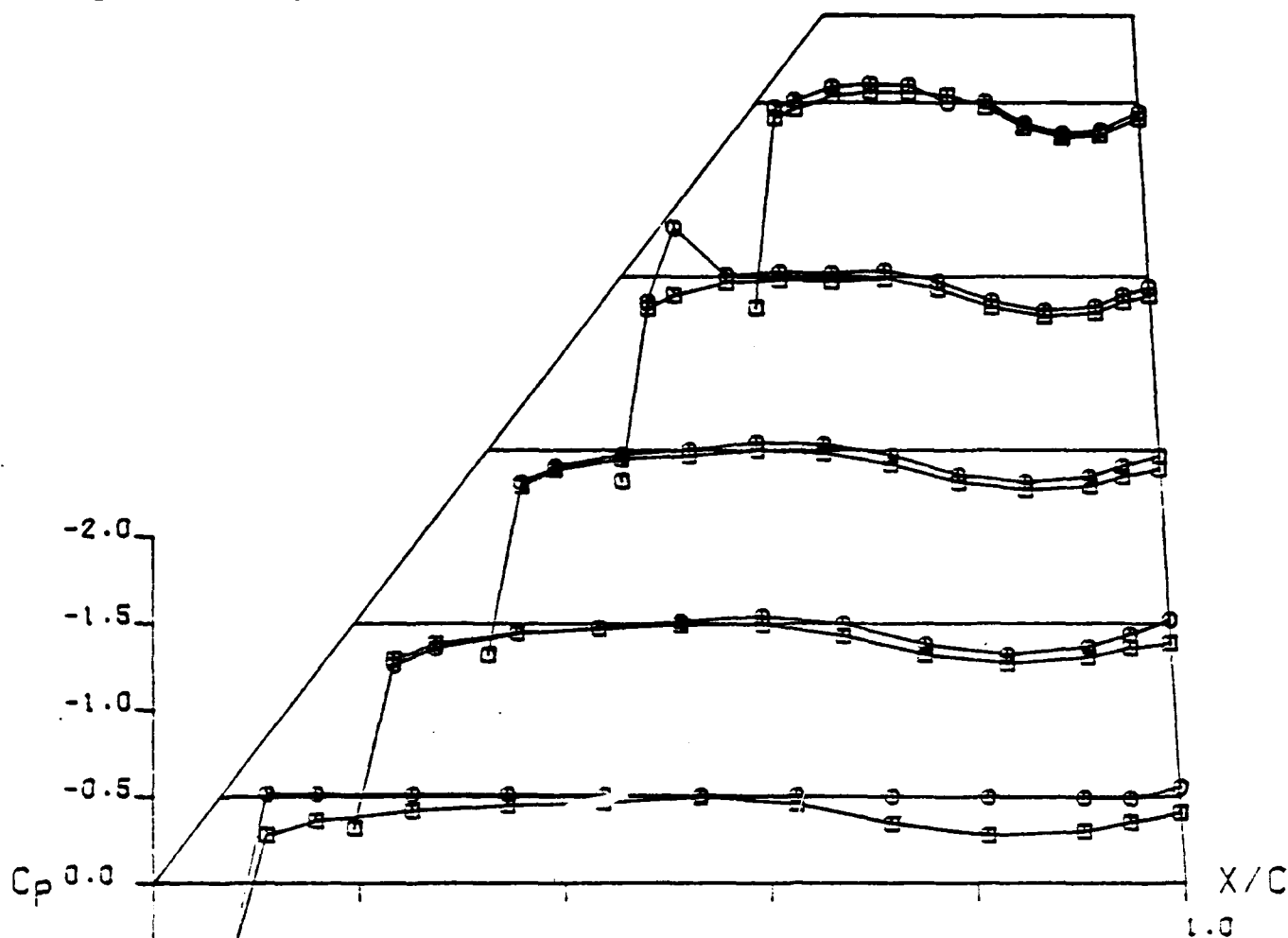


LOCKHEED CFWT SEMI-SPAN TEST, RUN 30
 CLN VS HIGH (UPR SURF ETA .90)
 NUMERICALLY OPTIMIZED WING C

SYM CONFIGURATION

0
0

CLEAN
HIGH



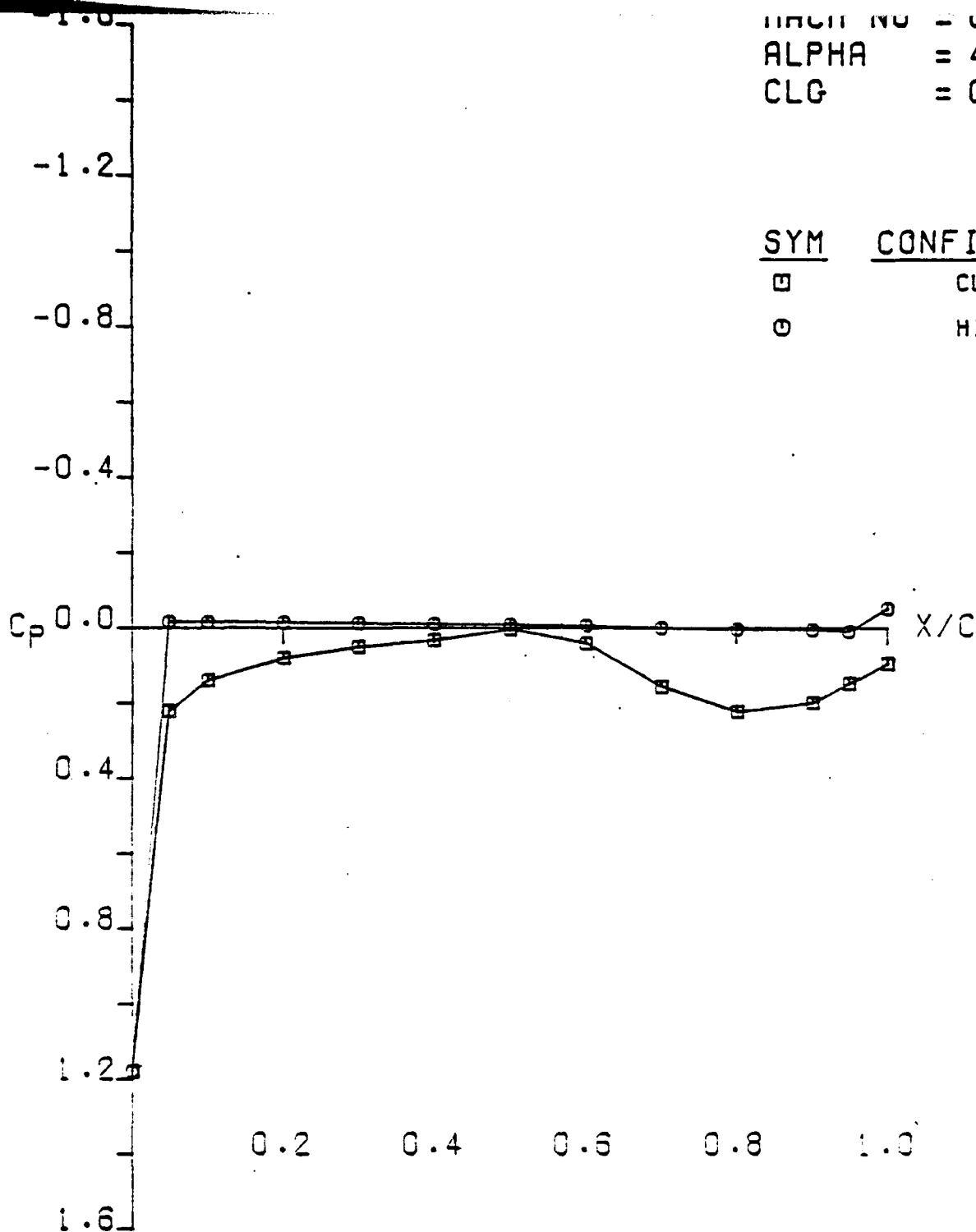
CONDITIONS

MACH NO = 0.320
ALPHA = 4.922
CL = 0.474
CD = 0.040
CM = -0.073
CLG = 0.474

LOCKHEED CFWT SEMI-SPAN TEST, RUN 30
CLN VS HIGH (LWR SURF)
NUMERICALLY OPTIMIZED WING C

MACH NO = 0.020
ALPHA = 4.922
CLG = 0.474

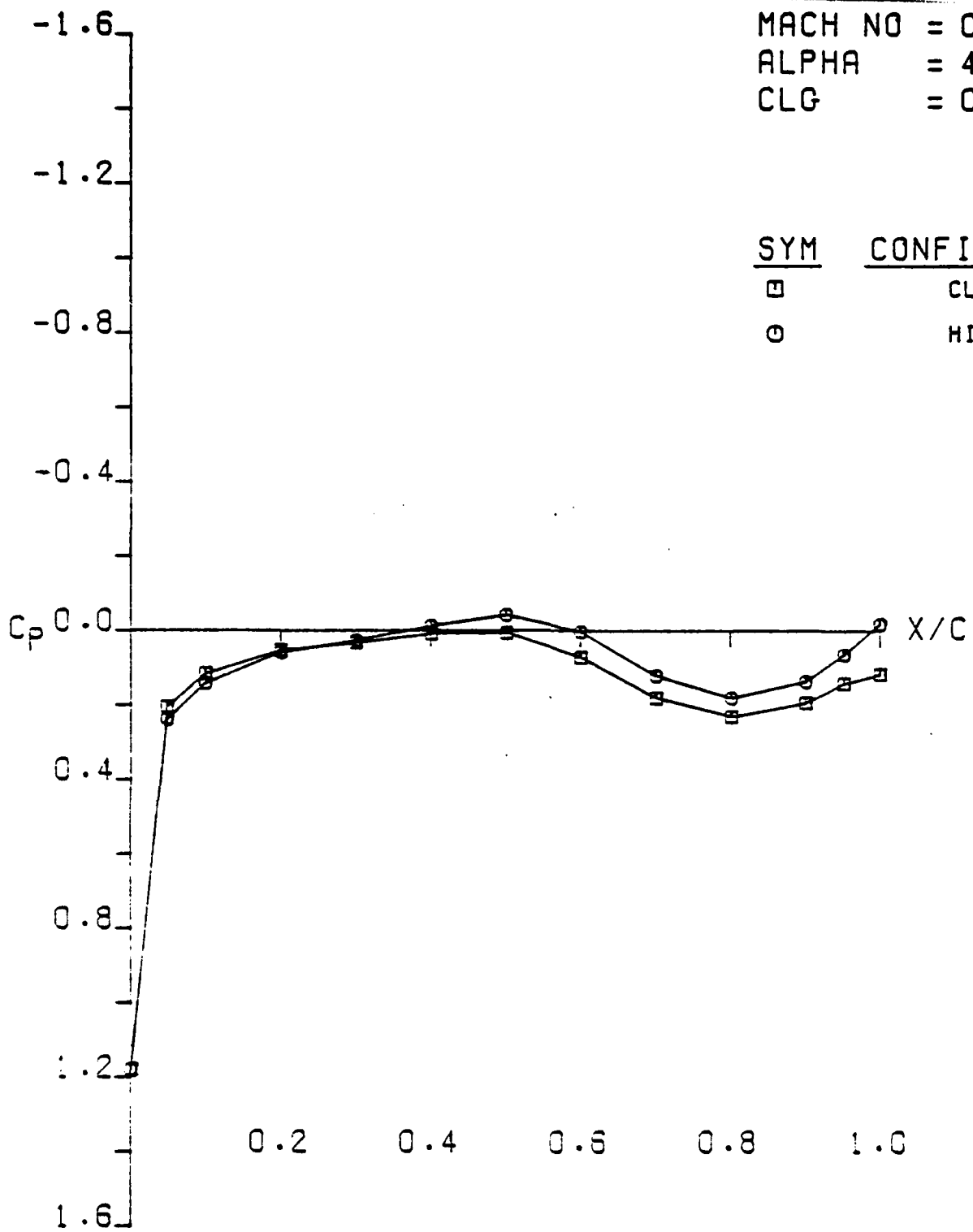
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	HIGH



LOCKHEED CFWT SEMI-SPAN TEST, RUN 30
CLN VS HIGH (LWR SURF ETA .10)
NUMERICALLY OPTIMIZED WING C

MACH NO = 0.820
 ALPHA = 4.922
 CLG = 0.474

SYM	CONFIGURATION
□	CLEAN
○	HIGH



LOCKHEED CFWT SEMI-SPAN TEST, RUN 30
 CLN VS HIGH (LWR SURF ETA .30)
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.820

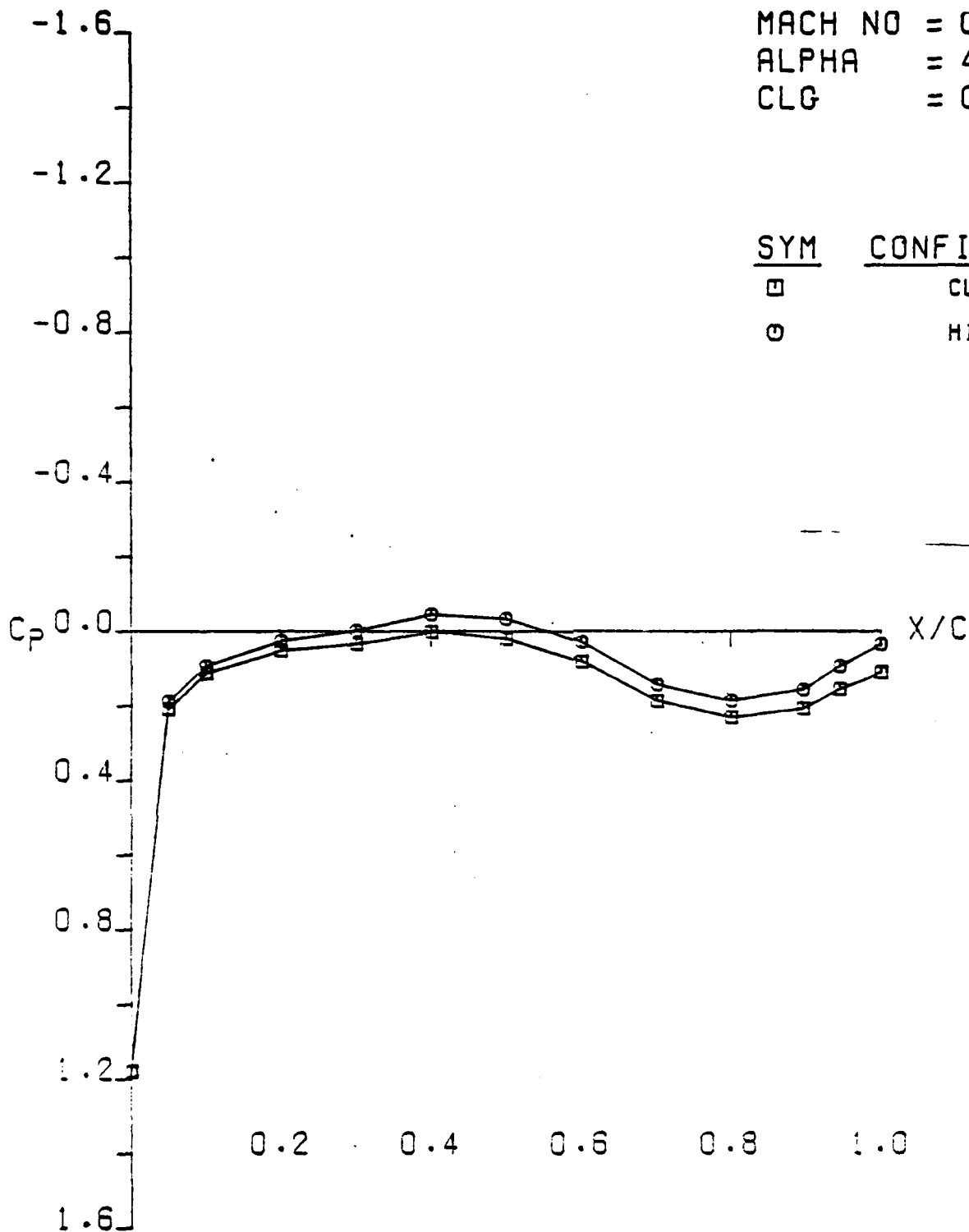
ALPHA = 4.922

CLG = 0.474

SYM CONFIGURATION

□ CLEAN

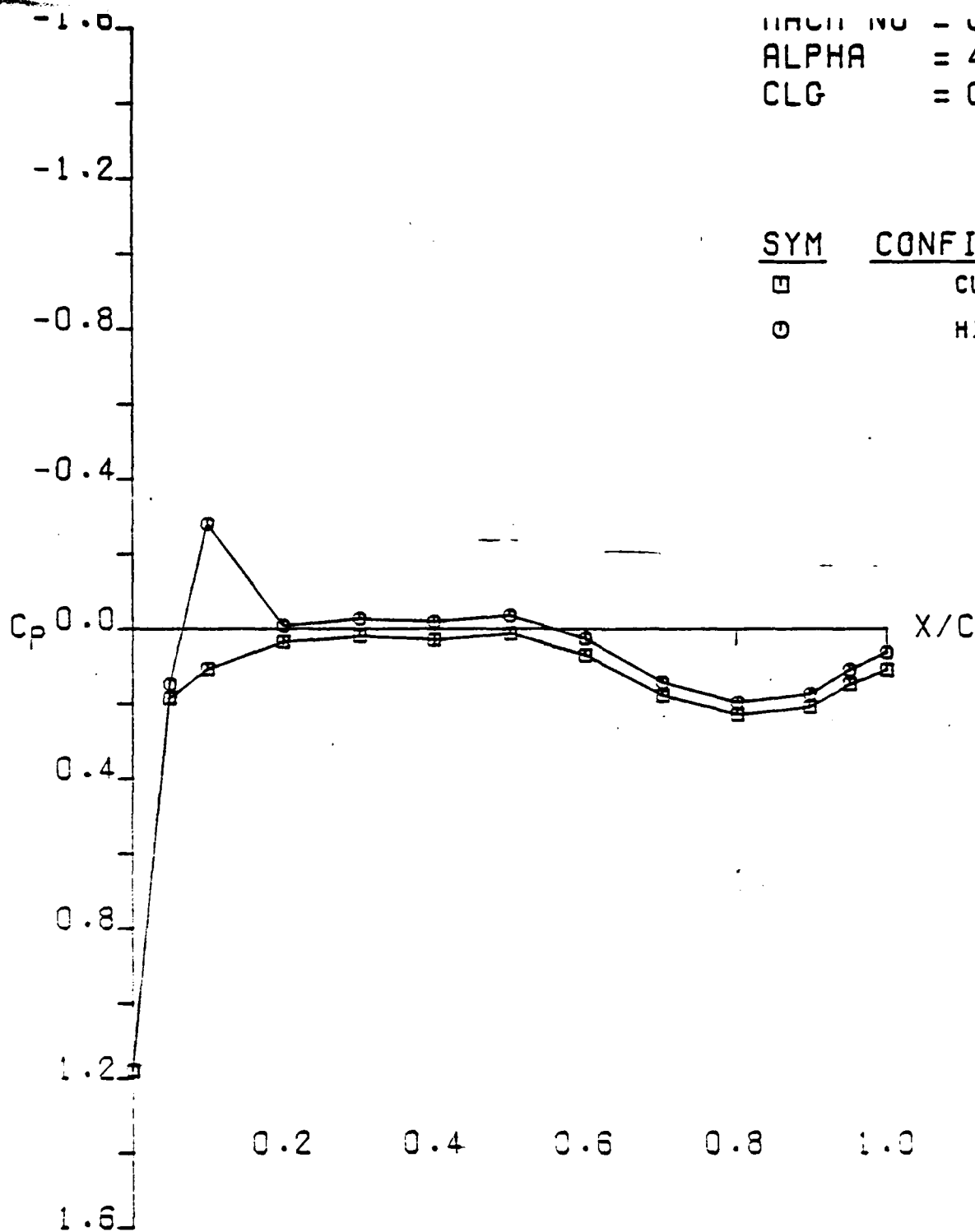
○ HIGH



LOCKHEED CFWT SEMI-SPAN TEST, RUN 30
CLN VS HIGH (LWR SURF ETA .50)
NUMERICALLY OPTIMIZED WING C

MACH NO = 0.020
 ALPHA = 4.922
 CLG = 0.474

SYM	CONFIGURATION
□	CLEAN
○	HIGH

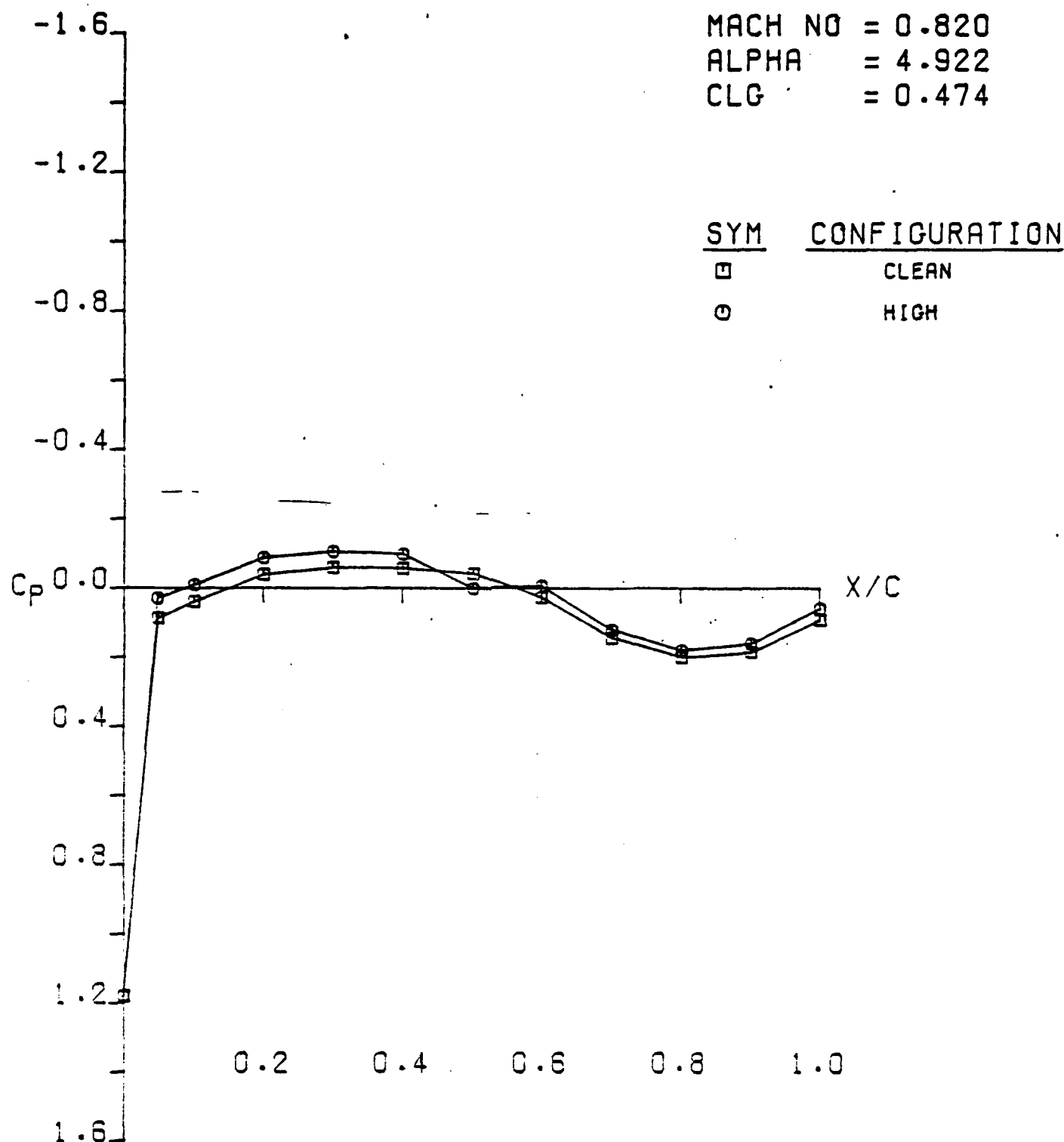


LOCKHEED CFWT SEMI-SPAN TEST, RUN 30
 CLN VS HIGH (LWR SURF ETA .70)
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.820

ALPHA = 4.922

CLG = 0.474

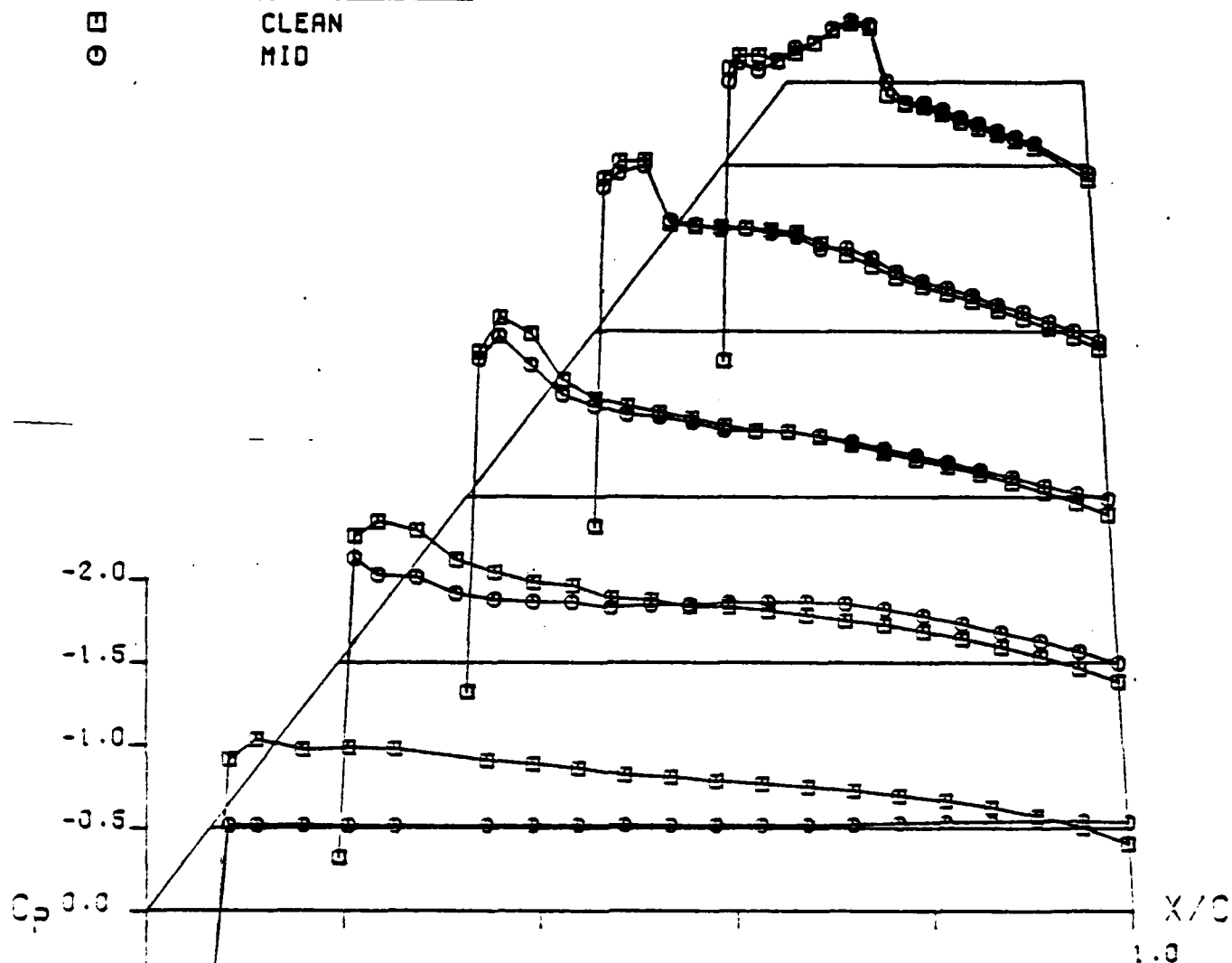


LOCKHEED CFWT SEMI-SPAN TEST, RUN 30
CLN VS HIGH (LWR SURF ETA .90)
NUMERICALLY OPTIMIZED WING C

SYM CONFIGURATION

□
○

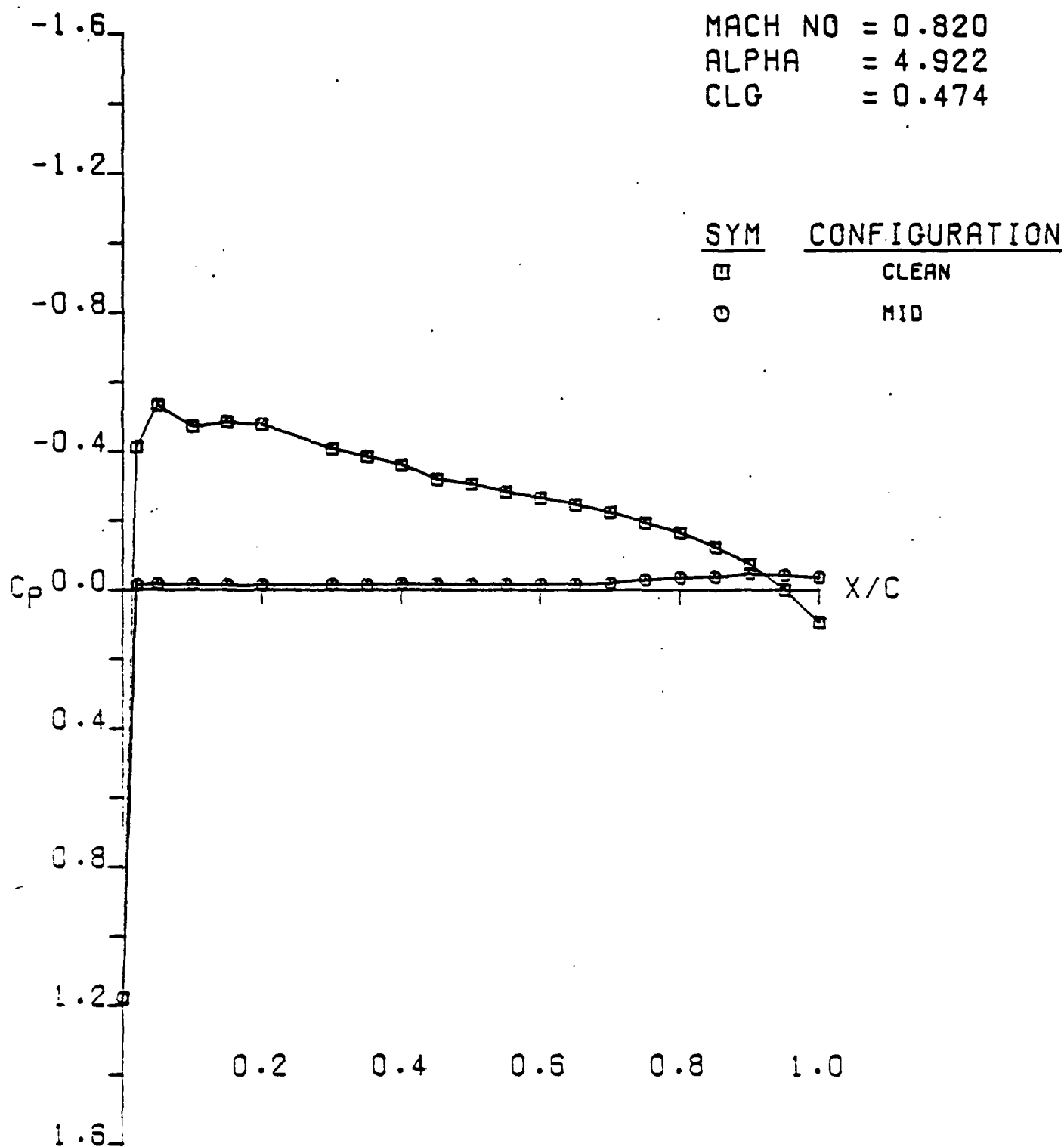
CLEAN
MID



CONDITIONS

MACH NO = 0.820
ALPHA = 4.922
CL = 0.474
CD = 0.040
CM = -0.073
CLG = 0.474

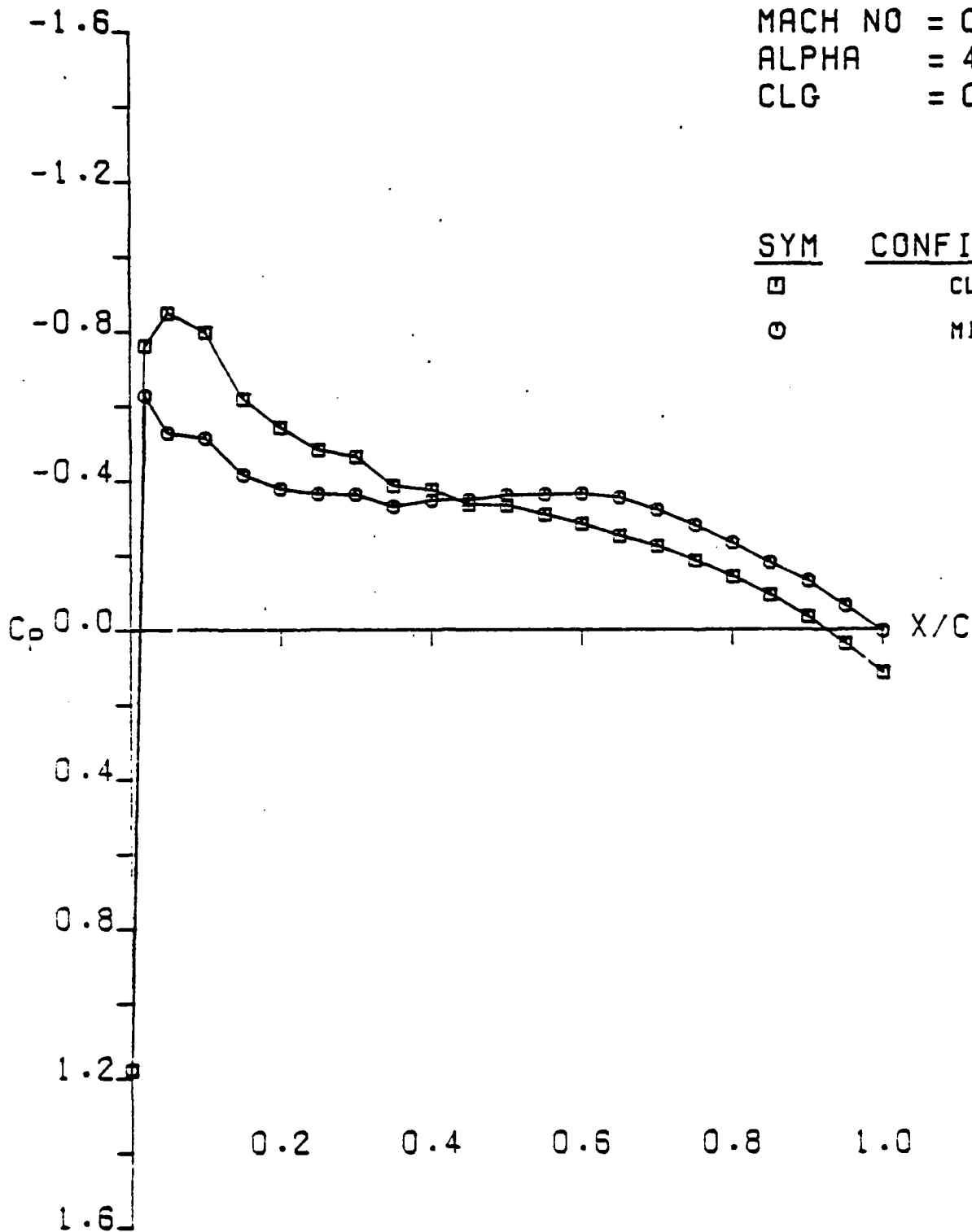
LOCKHEED CFWT SEMI-SPAN TEST, RUN 30
CLN VS MID - NO SEAL (UPR SURF)
NUMERICALLY OPTIMIZED WING C



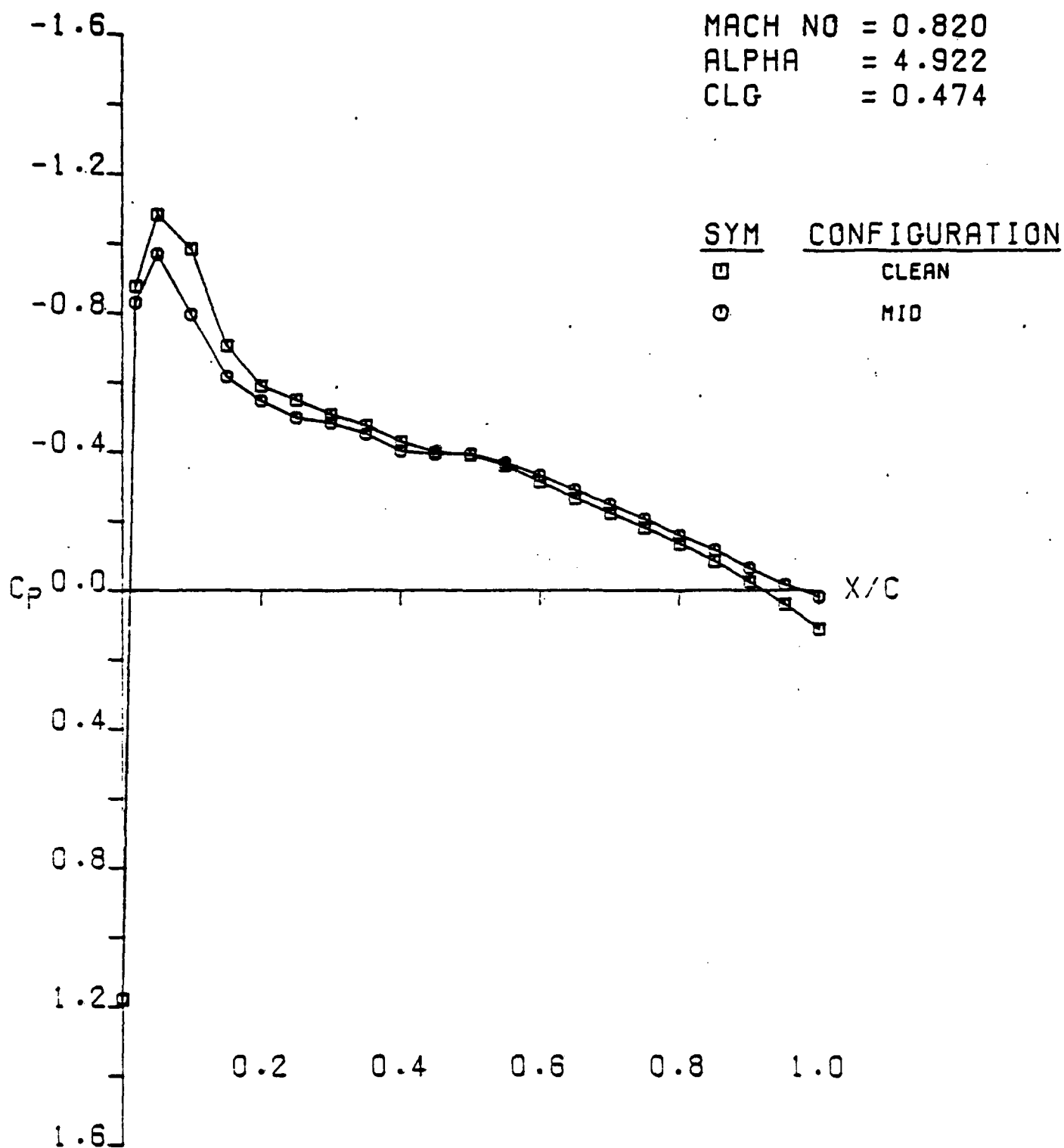
LOCKHEED CFWT SEMI-SPAN TEST, RUN 30
CLN VS MID - NO SEAL (UPR SURF ETA .10)
NUMERICALLY OPTIMIZED WING C

MACH NO = 0.820
 ALPHA = 4.922
 CLG = 0.474

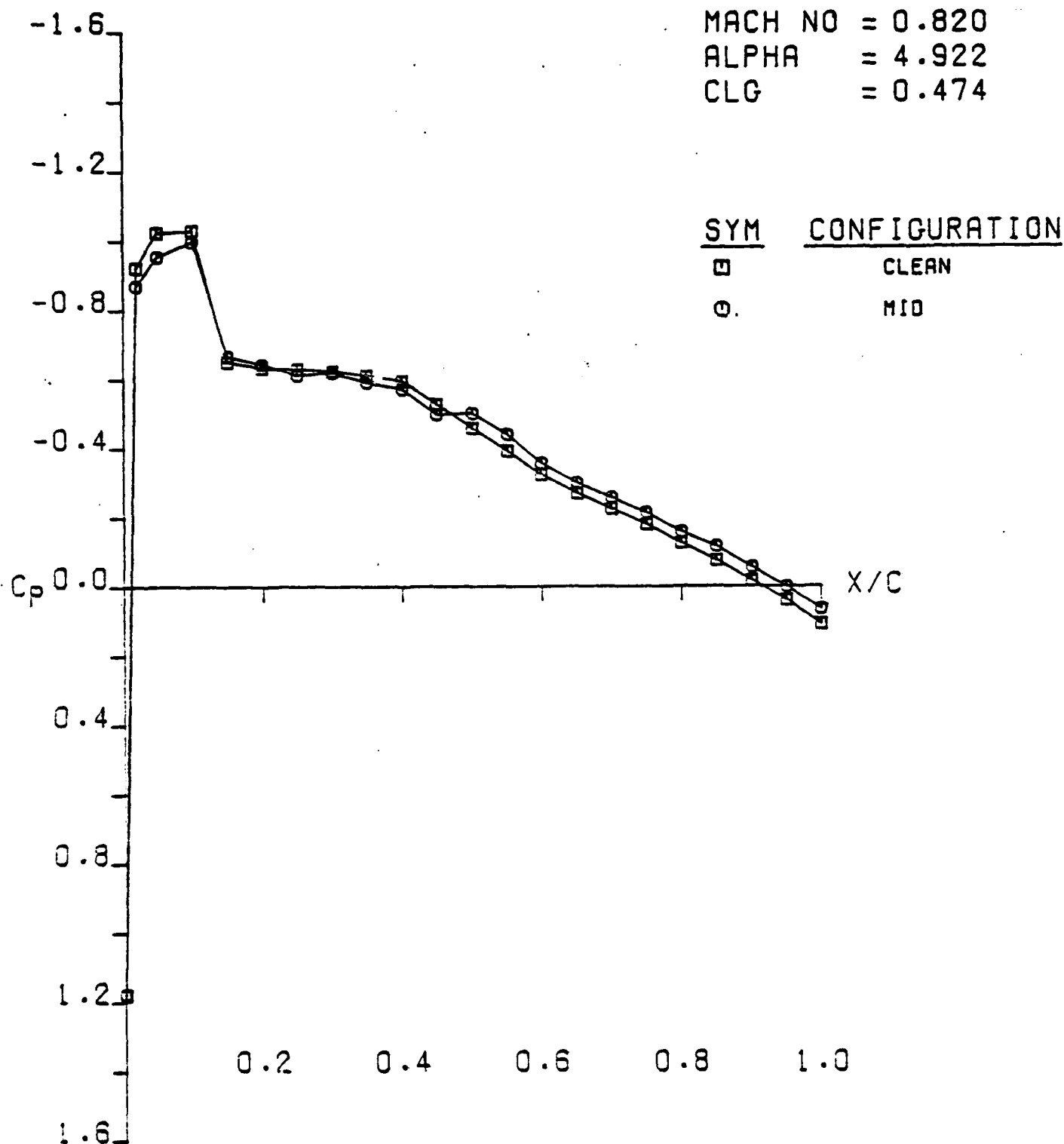
SYM	CONFIGURATION
□	CLEAN
○	MID



LOCKHEED CFWT SEMI-SPAN TEST, RUN 30
 CLN VS MID - NO SEAL (UPR SURF ETA .30)
 NUMERICALLY OPTIMIZED WING C

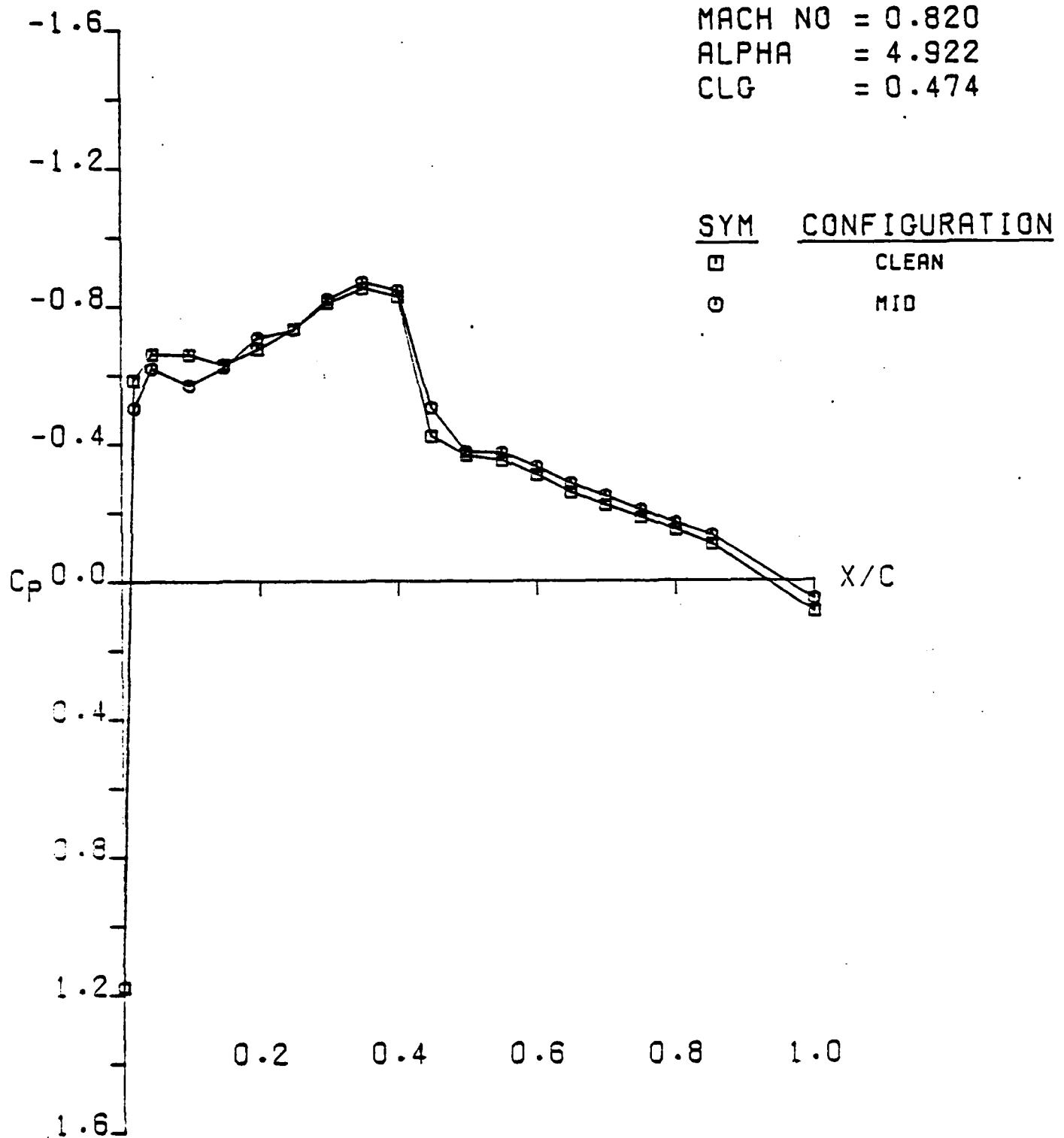


LOCKHEED CFWT SEMI-SPAN TEST, RUN 30
 CLN VS MID - NO SEAL (UPR SURF ETA .50)
 NUMERICALLY OPTIMIZED WING C



LOCKHEED CFWT SEMI-SPAN TEST, RUN 30
CLN VS MID - NO SEAL (UPR SURF ETA .70)
NUMERICALLY OPTIMIZED WING C

MACH NO = 0.820
ALPHA = 4.922
CLG = 0.474

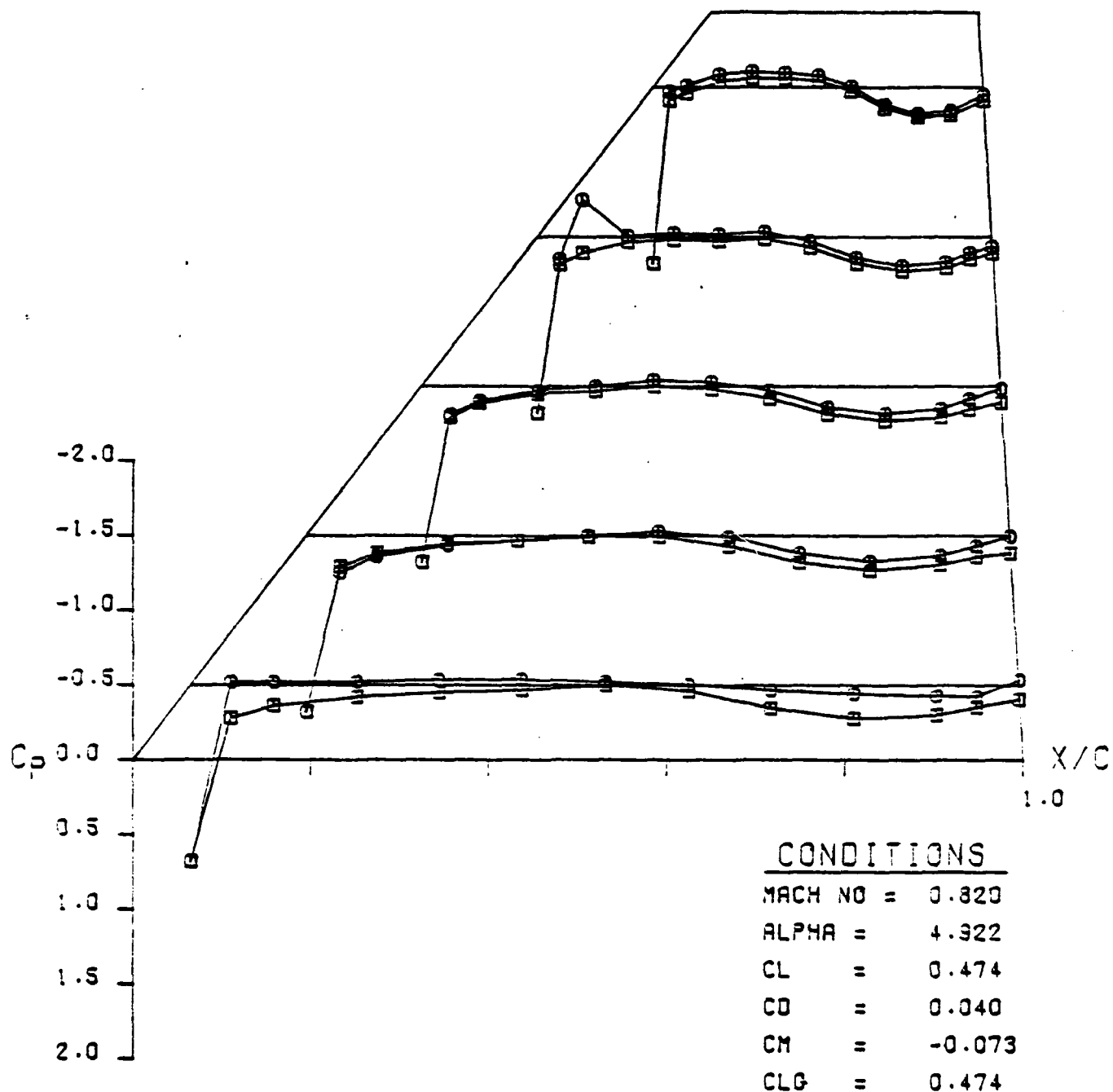


LOCKHEED CFWT SEMI-SPAN TEST, RUN 30
CLN VS MID - NO SEAL (UPR SURF ETA .90)
NUMERICALLY OPTIMIZED WING C

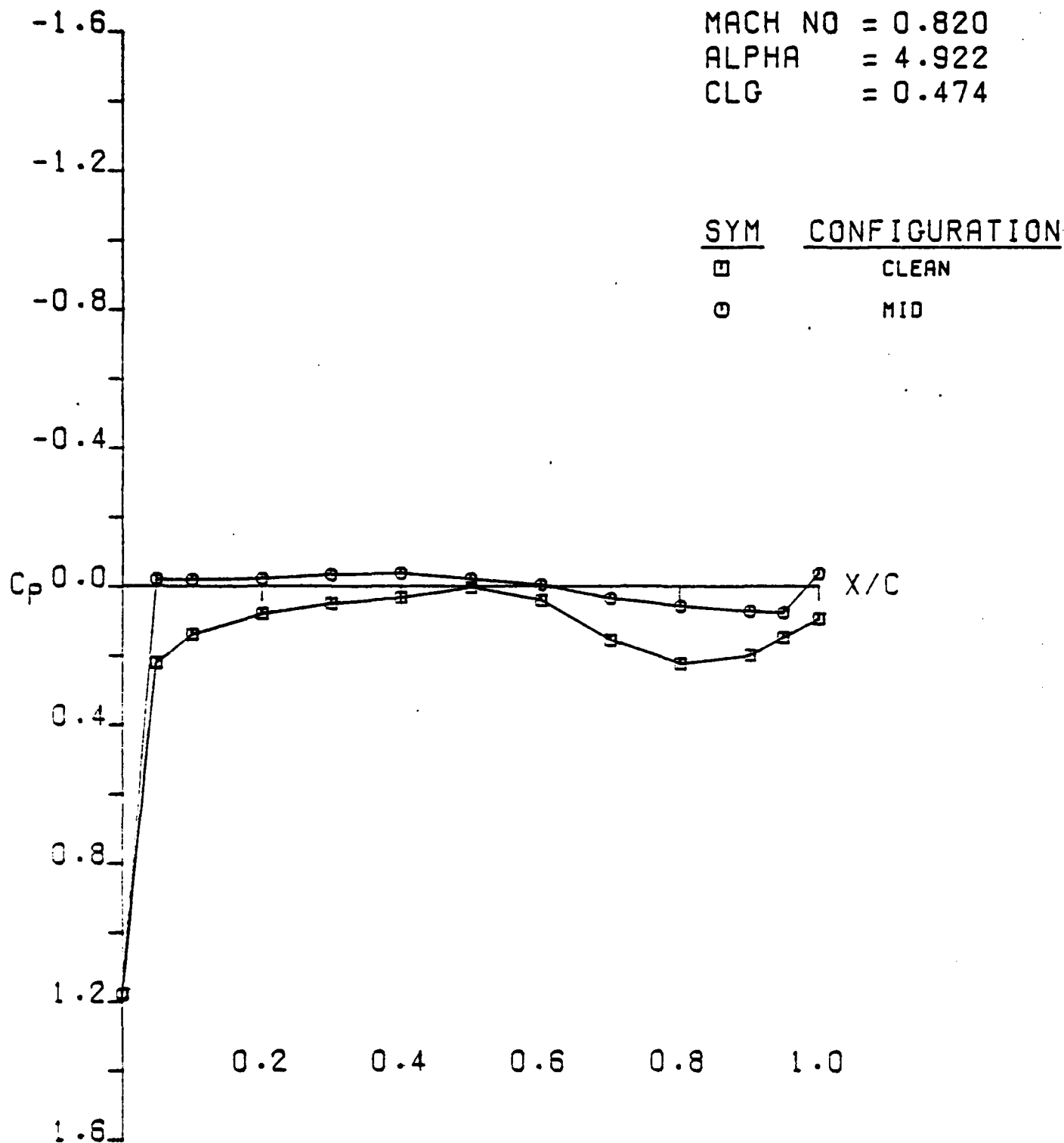
SYM CONFIGURATION

□
○

CLEAN
MID



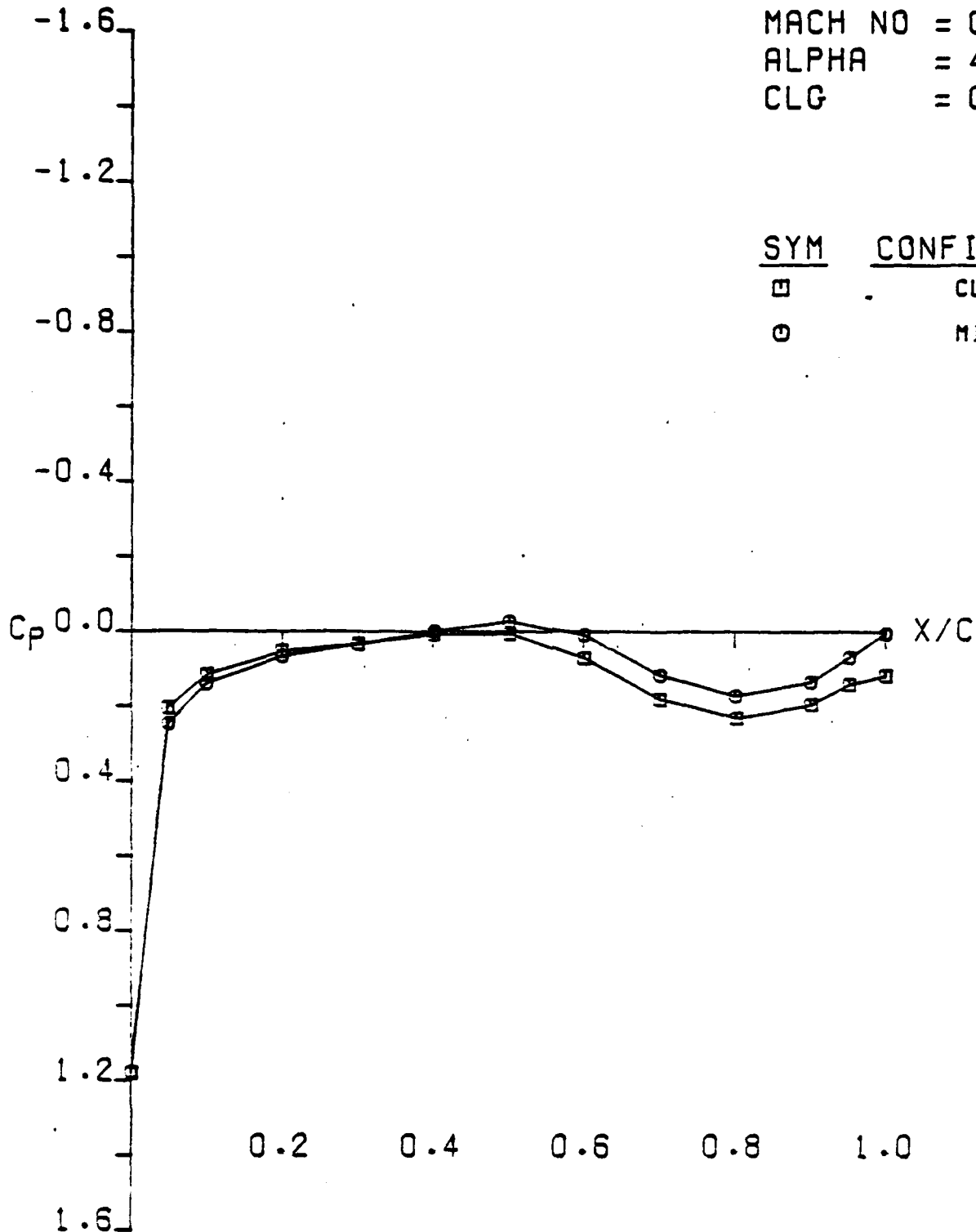
LOCKHEED CFWT SEMI-SPAN TEST, RUN 30
CLN VS MID - NO SEAL (LWR SURF)
NUMERICALLY OPTIMIZED WING C



LOCKHEED CFWT SEMI-SPAN TEST, RUN 30
CLN VS MID - NO SEAL (LWR SURF ETA .10)
NUMERICALLY OPTIMIZED WING C

MACH NO = 0.820
 ALPHA = 4.922
 CLG = 0.474

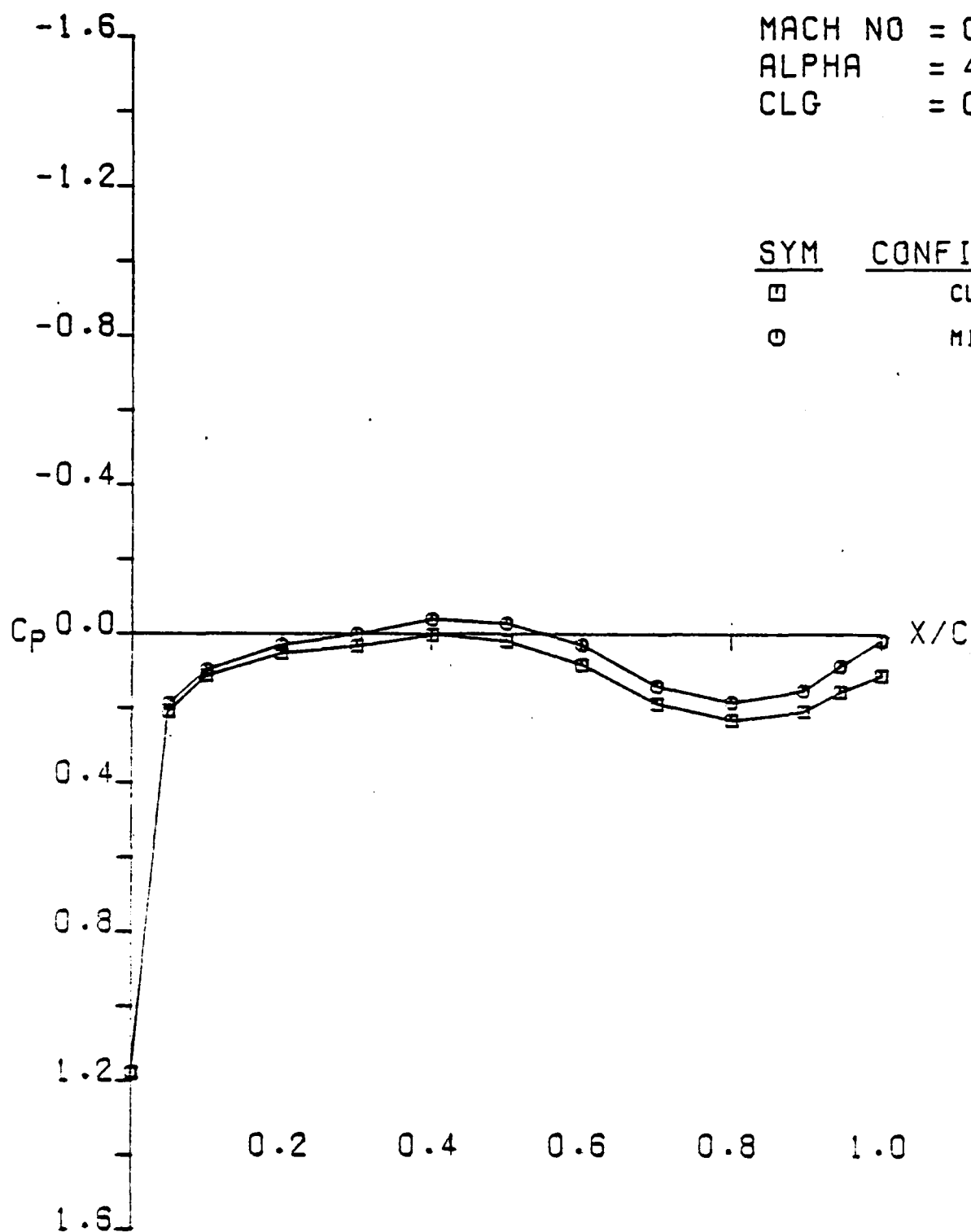
SYM	CONFIGURATION
□	CLEAN
○	MID



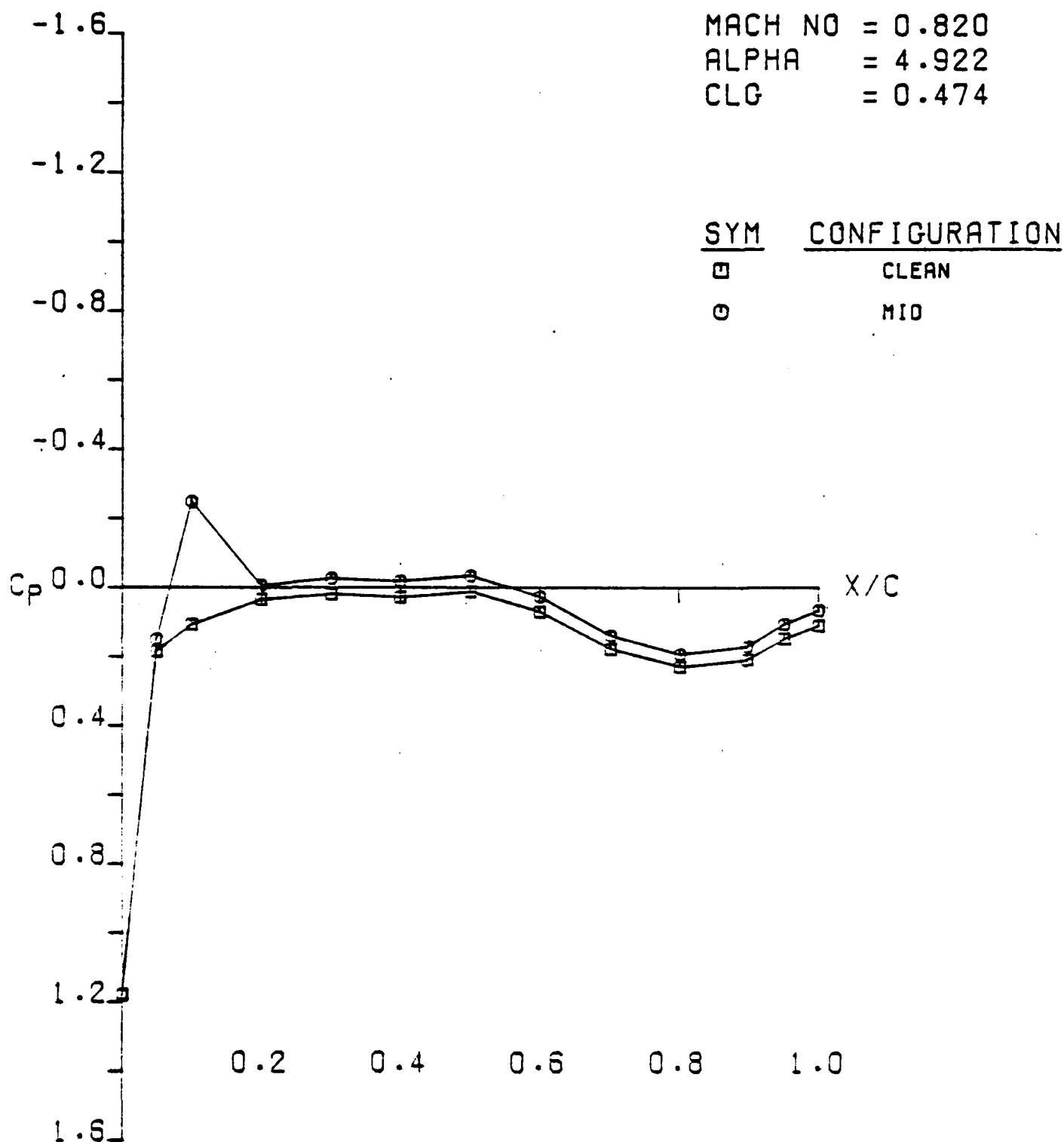
LOCKHEED CFWT SEMI-SPAN TEST, RUN 30
 CLN VS MID - NO SEAL (LWR SURF ETA .30)
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.820
 ALPHA = 4.922
 CLG = 0.474

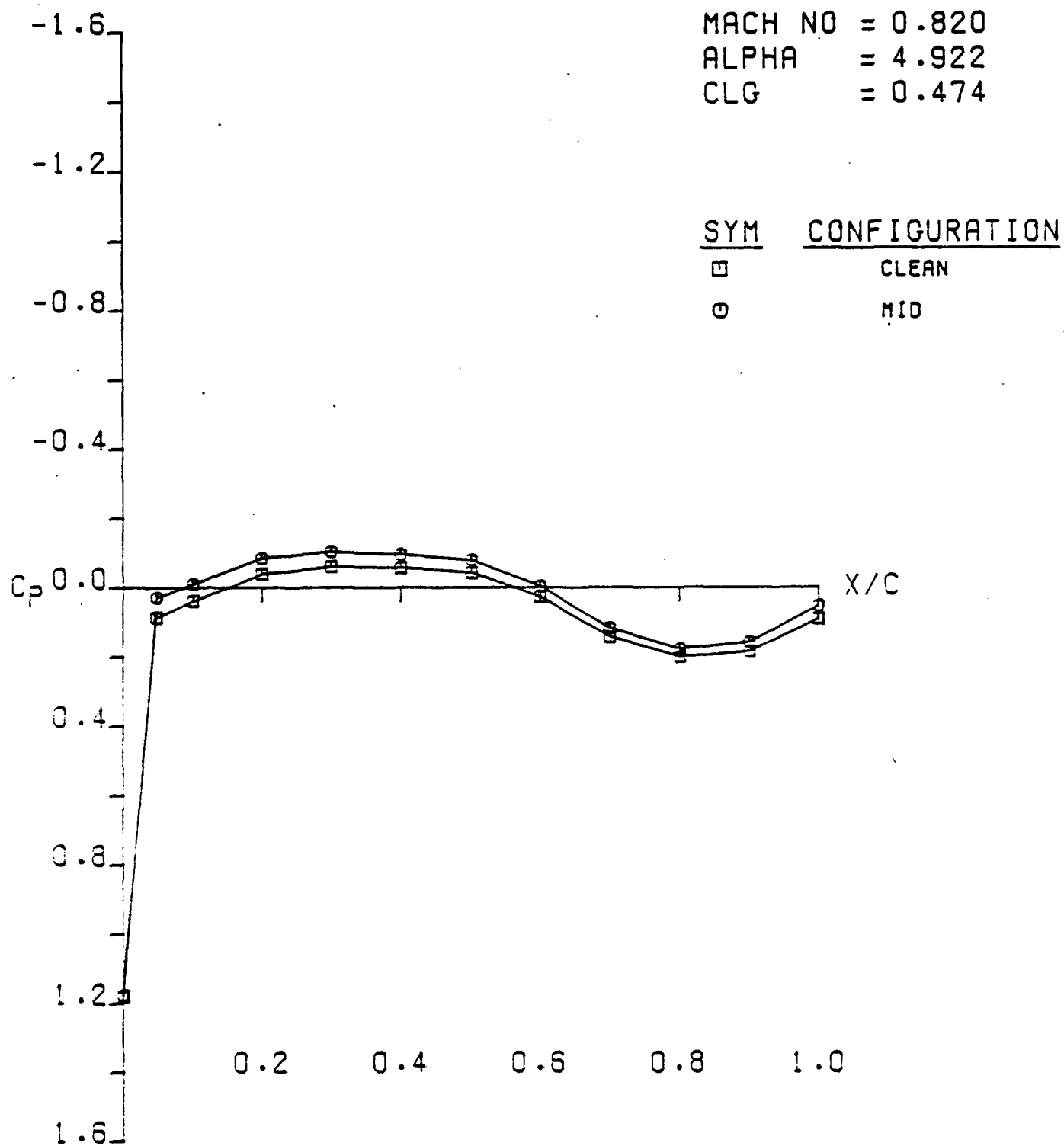
SYM	CONFIGURATION
□	CLEAN
○	MID



LOCKHEED CFWT SEMI-SPAN TEST, RUN 30
 CLN VS MID - NO SEAL (LWR SURF ETA .50)
 NUMERICALLY OPTIMIZED WING C



LOCKHEED CFWT SEMI-SPAN TEST, RUN 30
 CLN VS MID - NO SEAL (LWR SURF ETA .70)
 NUMERICALLY OPTIMIZED WING C

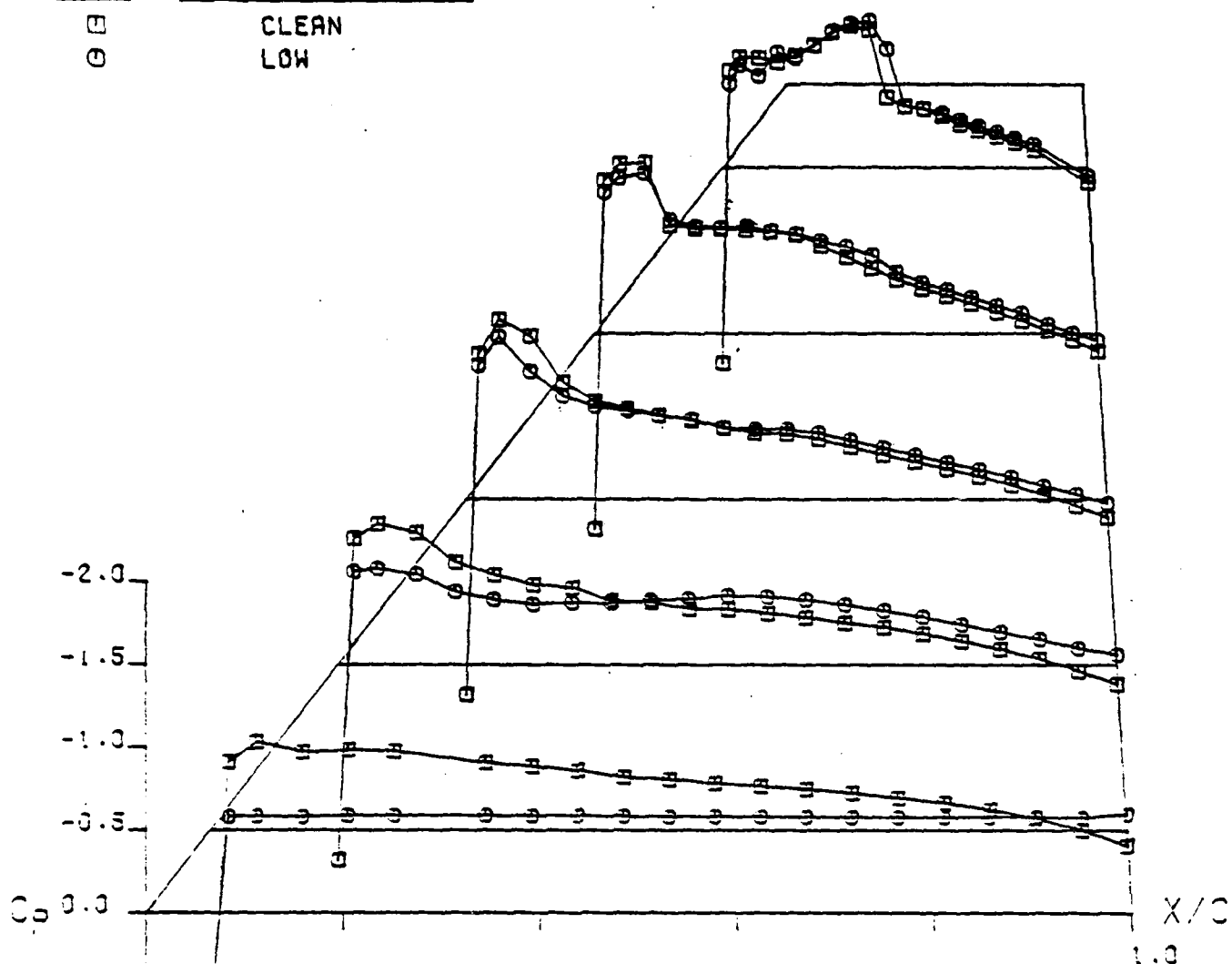


LOCKHEED CFWT SEMI-SPAN TEST, RUN 30
 CLN VS MID - NO SEAL (LWR SURF ETA .90)
 NUMERICALLY OPTIMIZED WING C

SYM CONFIGURATION

□
○

CLEAN
LOW



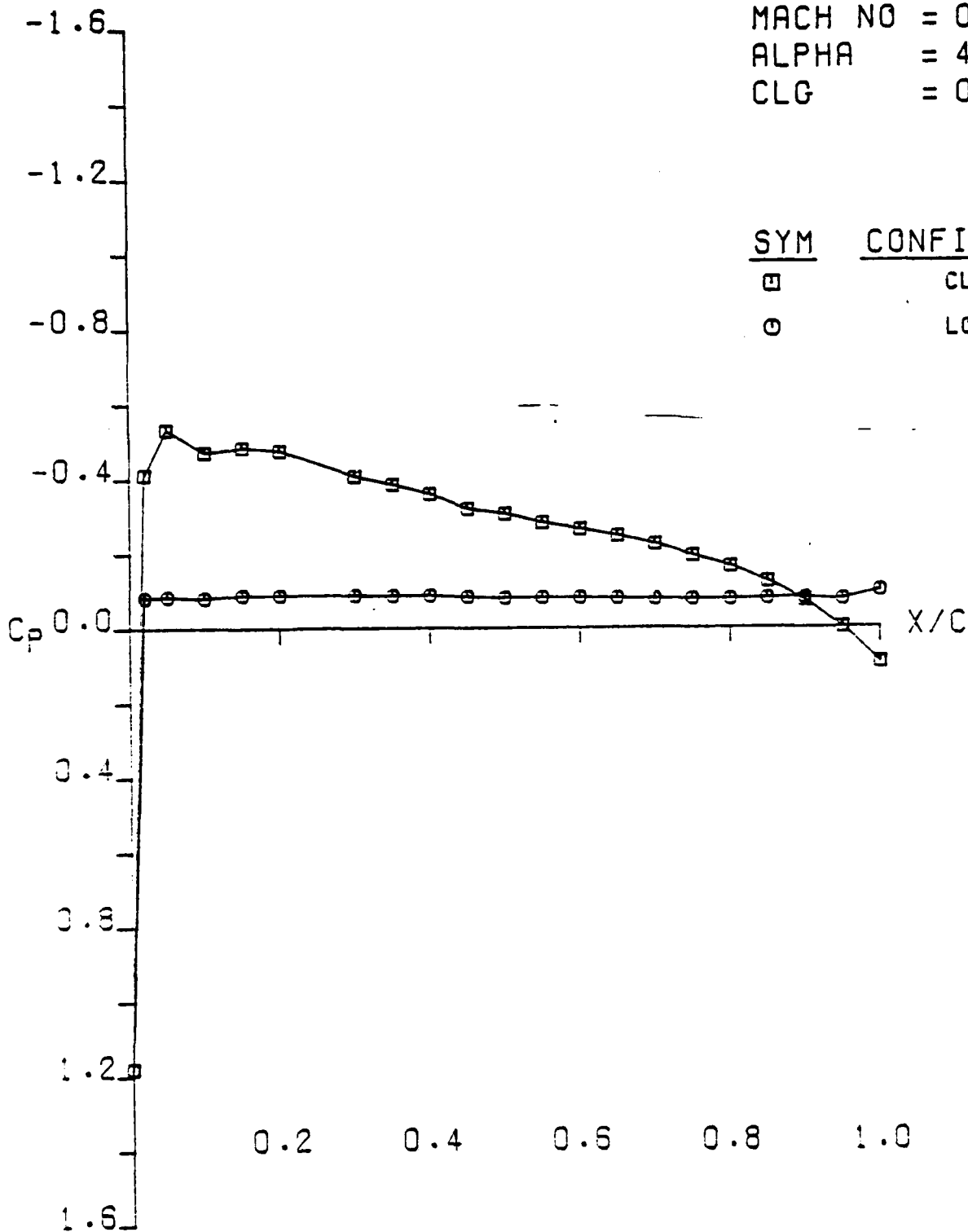
CONDITIONS

MACH NO = 0.320
ALPHA = 4.322
CL = 0.474
CD = 0.040
CM = -0.073
CLG = 0.474

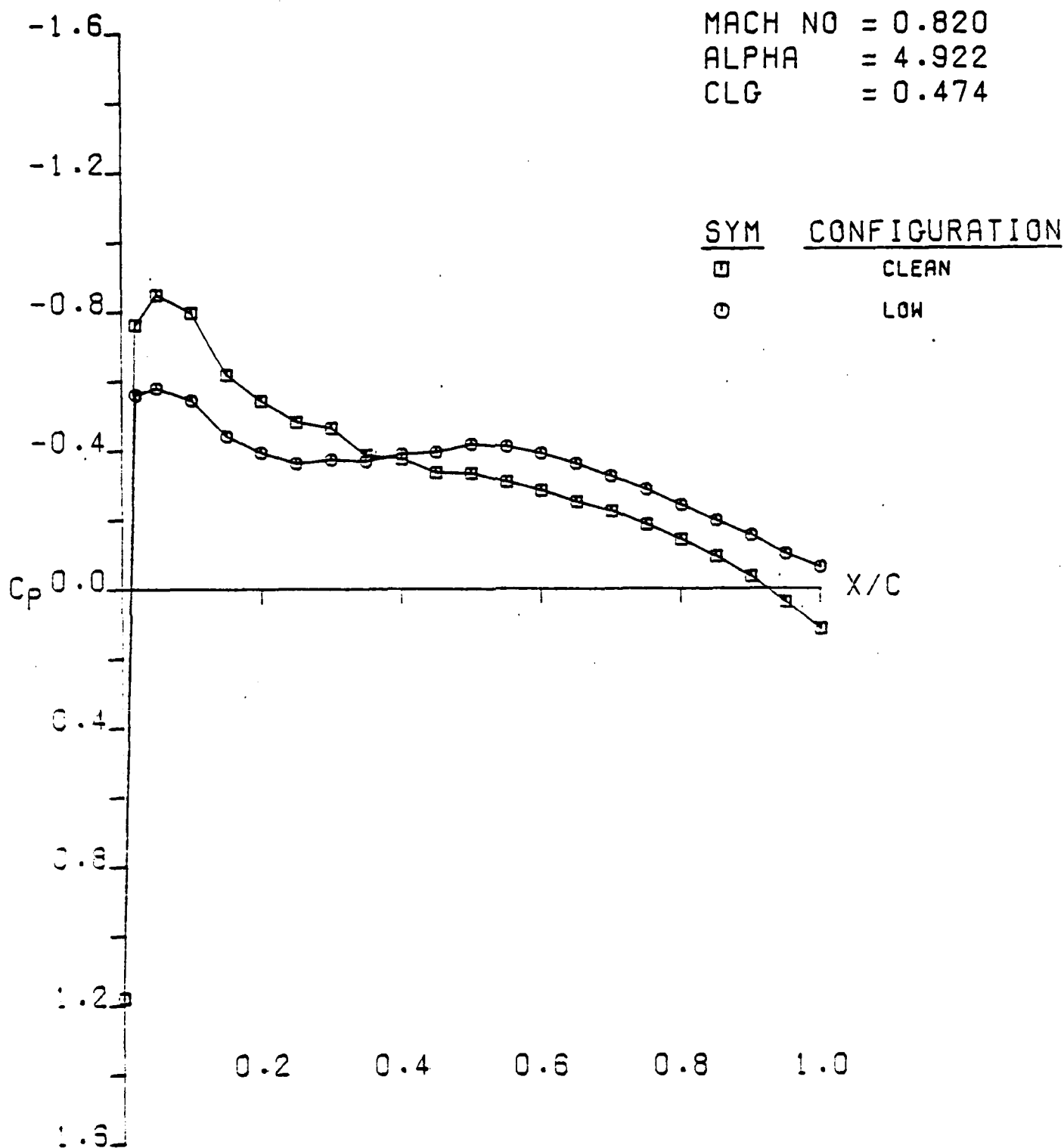
LOCKHEED CFWT SEMI-SPAN TEST, RUN 30
CLN VS LOW (UPR SURF)
NUMERICALLY OPTIMIZED WING C

MACH NO = 0.820
ALPHA = 4.922
CLG = 0.474

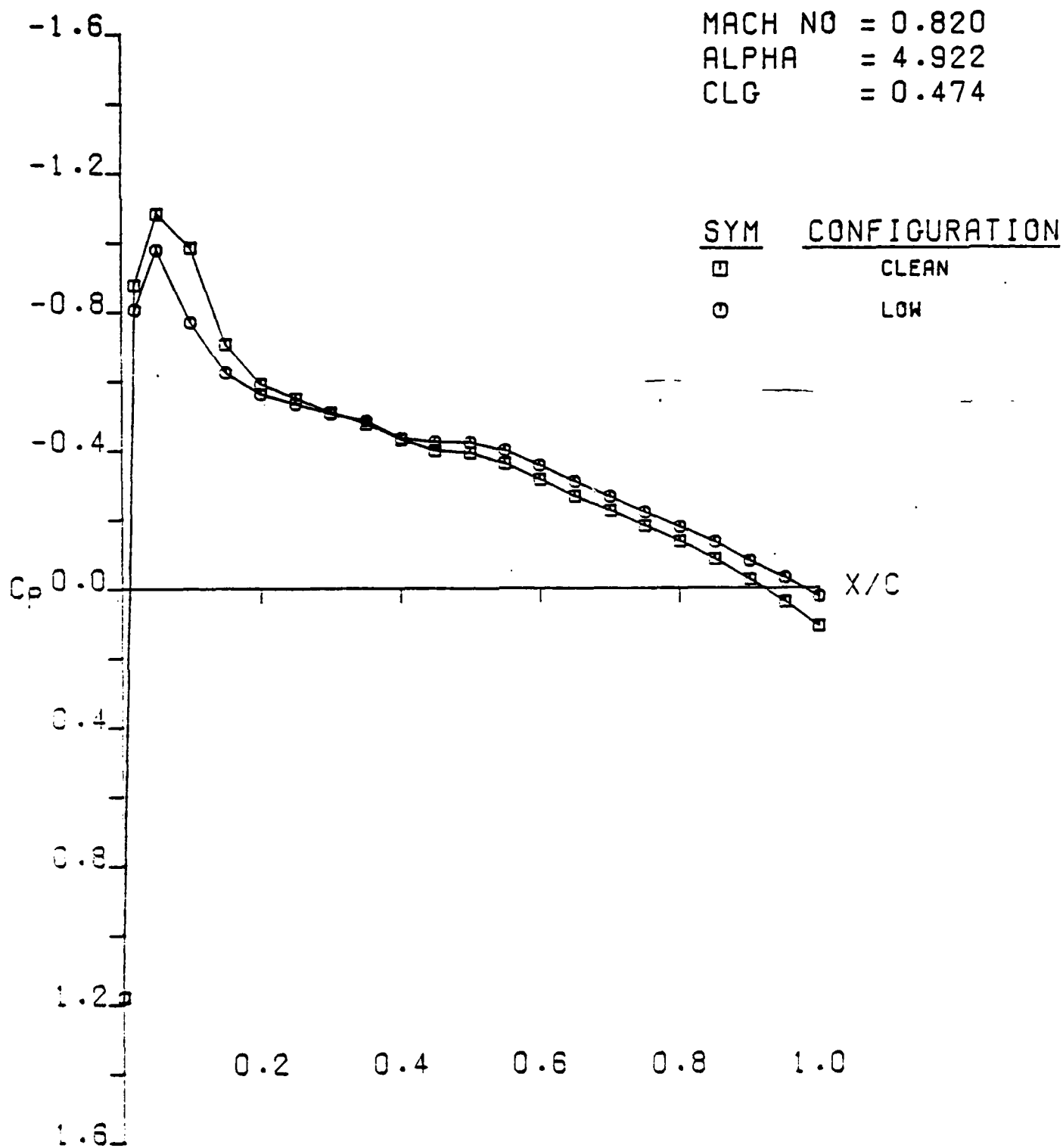
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	LOW



LOCKHEED CFWT SEMI-SPAN TEST, RUN 30
CLN VS LOW (UPR SURF ETA .10)
NUMERICALLY OPTIMIZED WING C

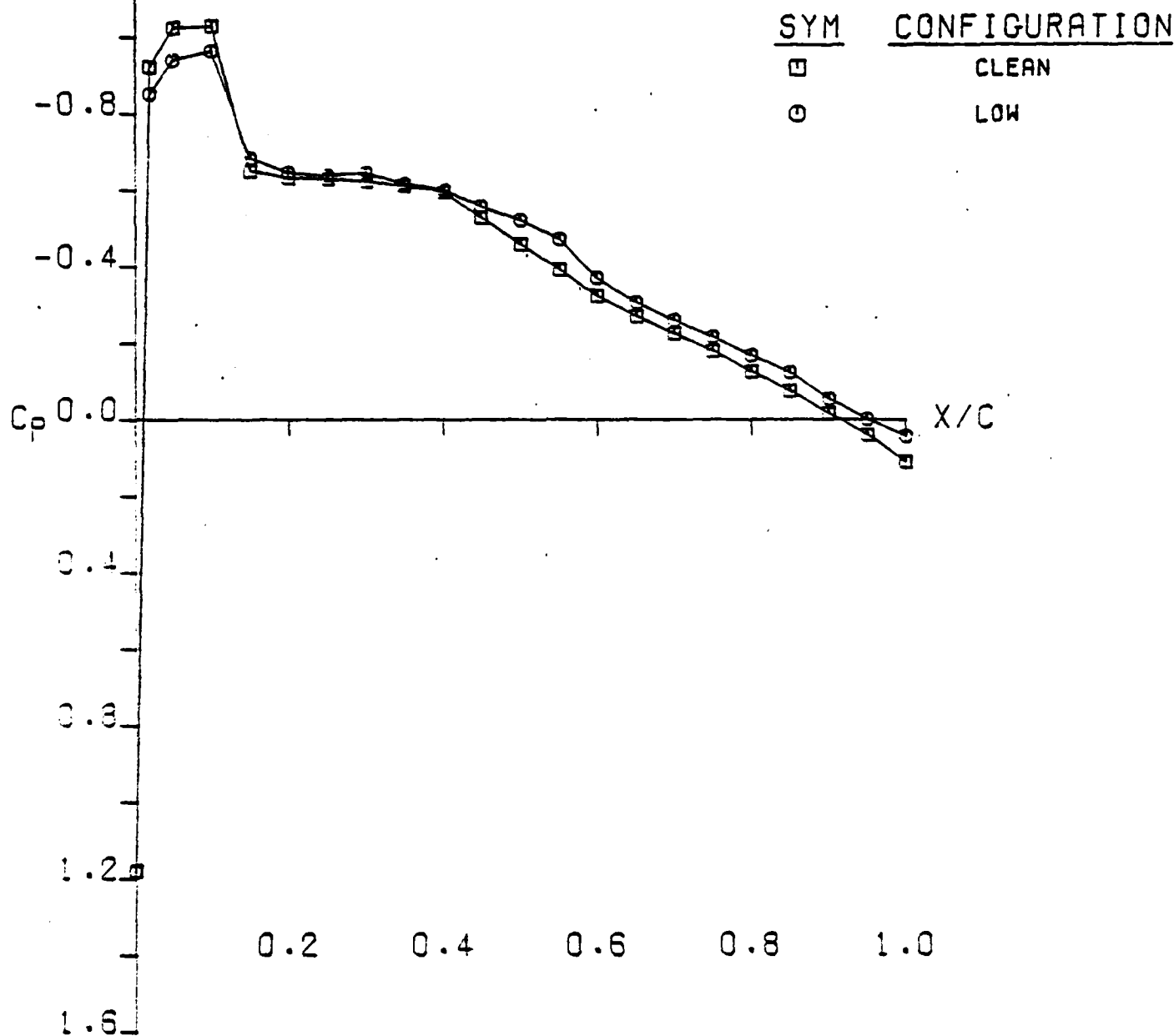


LOCKHEED CFWT SEMI-SPAN TEST, RUN 30
 CLN VS LOW (UPR SURF ETA .30)
 NUMERICALLY OPTIMIZED WING C

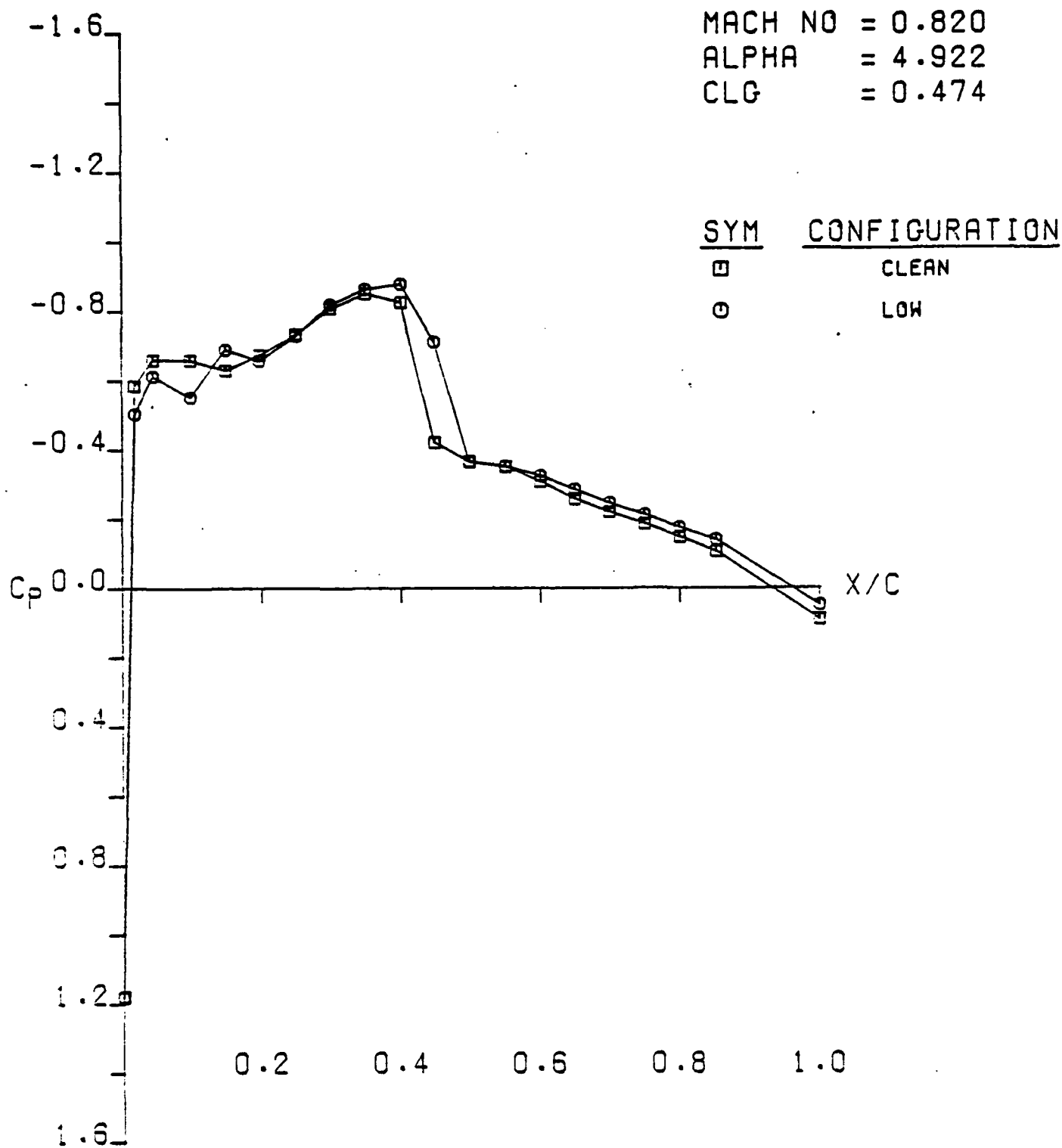


LOCKHEED CFWT SEMI-SPAN TEST, RUN 30
CLN VS LOW (UPR SURF ETA .50)
NUMERICALLY OPTIMIZED WING C

MACH NO = 0.820
 ALPHA = 4.922
 CLG = 0.474



LOCKHEED CFWT SEMI-SPAN TEST, RUN 30
 CLN VS LOW (UPR SURF ETA .70)
 NUMERICALLY OPTIMIZED WING C

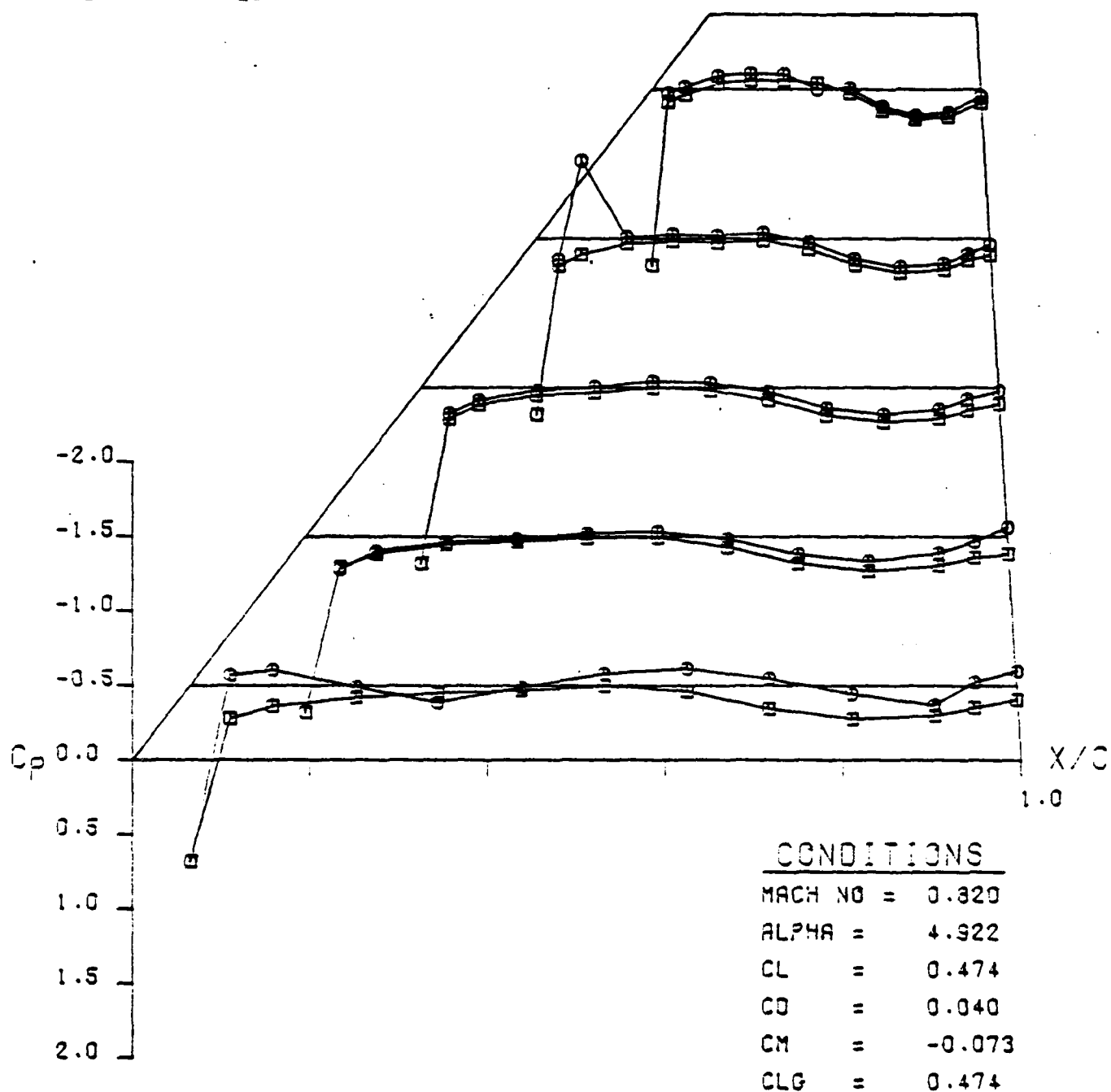


LOCKHEED CFWT SEMI-SPAN TEST, RUN 30
 CLN VS LOW (UPR SURF ETA .90)
 NUMERICALLY OPTIMIZED WING C

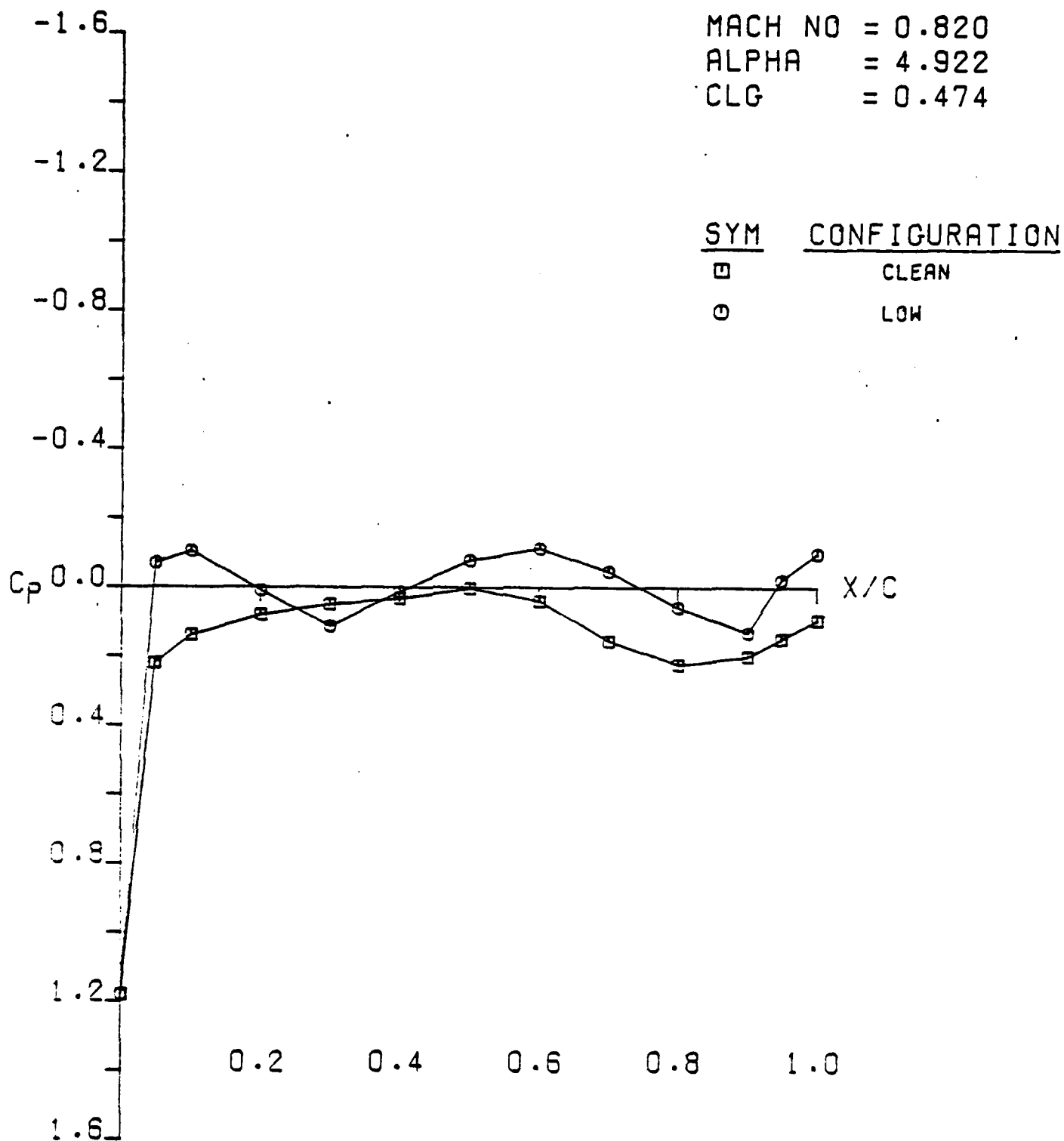
SYM CONFIGURATION

□
○

CLEAN
LOW



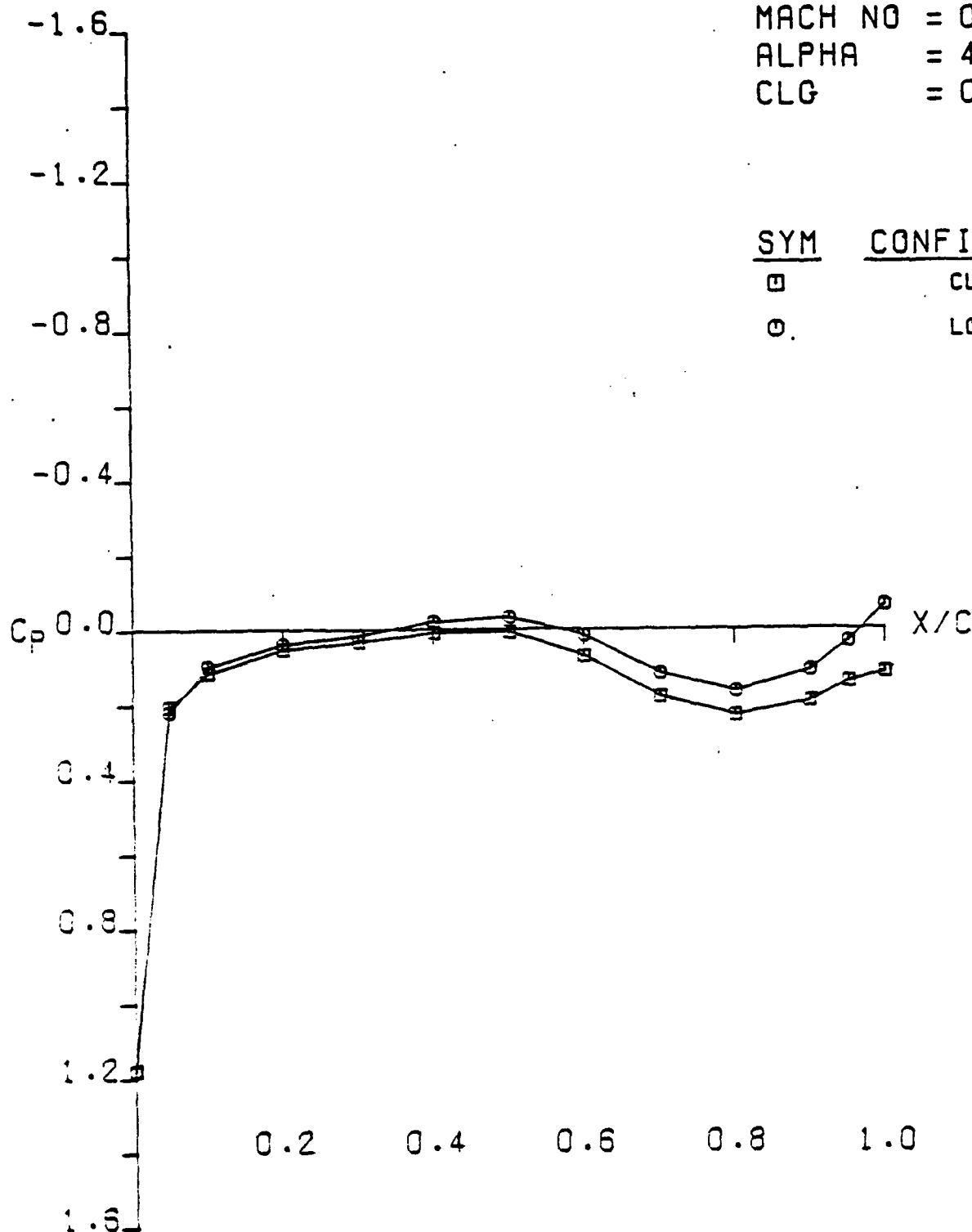
LOCKHEED CFWT SEMI-SPAN TEST, RUN 30
CLN VS LOW (LWR SURF)
NUMERICALLY OPTIMIZED WING C



LOCKHEED CFWT SEMI-SPAN TEST, RUN 30
CLN VS LOW (LWR SURF ETA .10)
NUMERICALLY OPTIMIZED WING C

MACH NO = 0.820
 ALPHA = 4.922
 CLG = 0.474

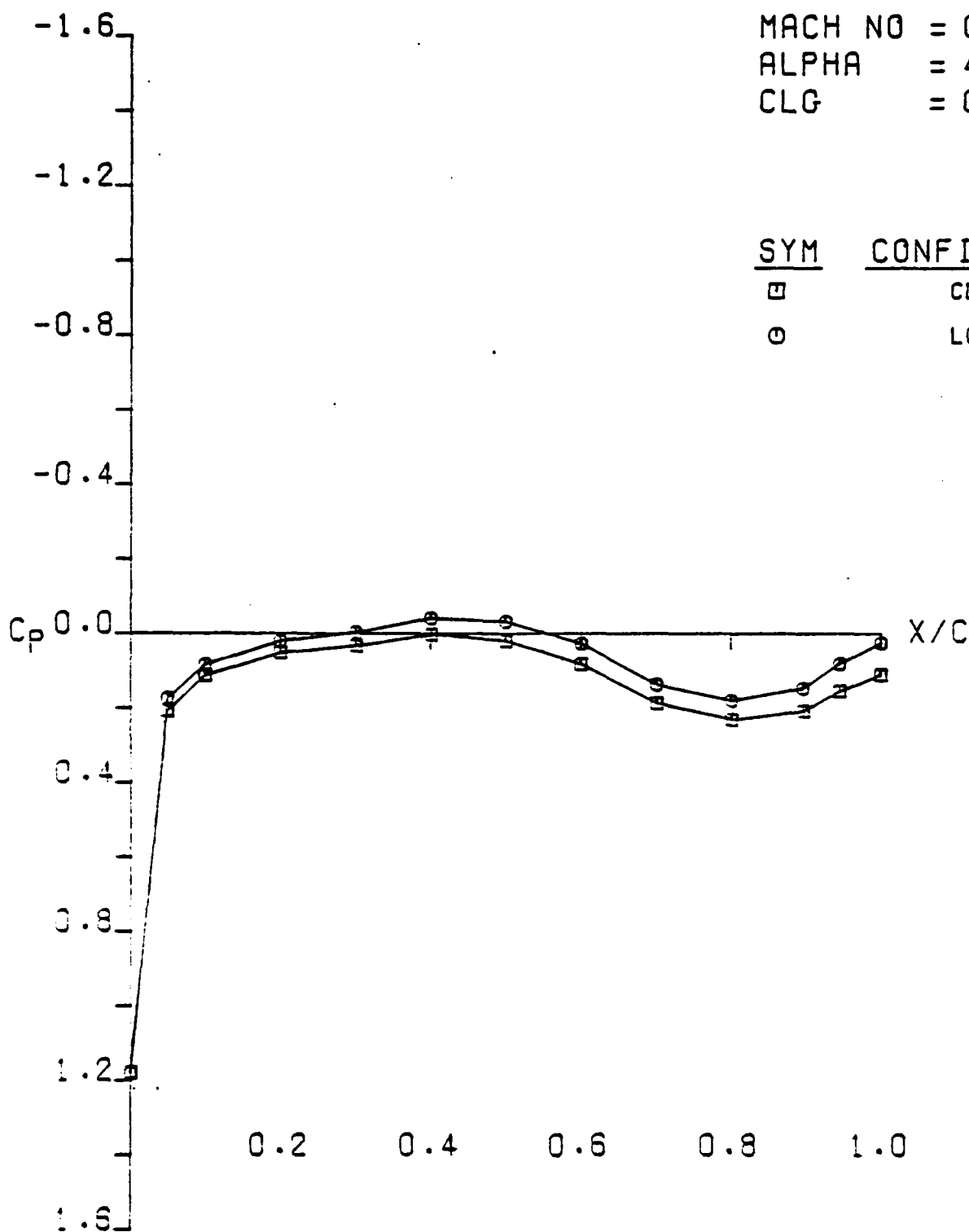
SYM	CONFIGURATION
□	CLEAN
○	LOW



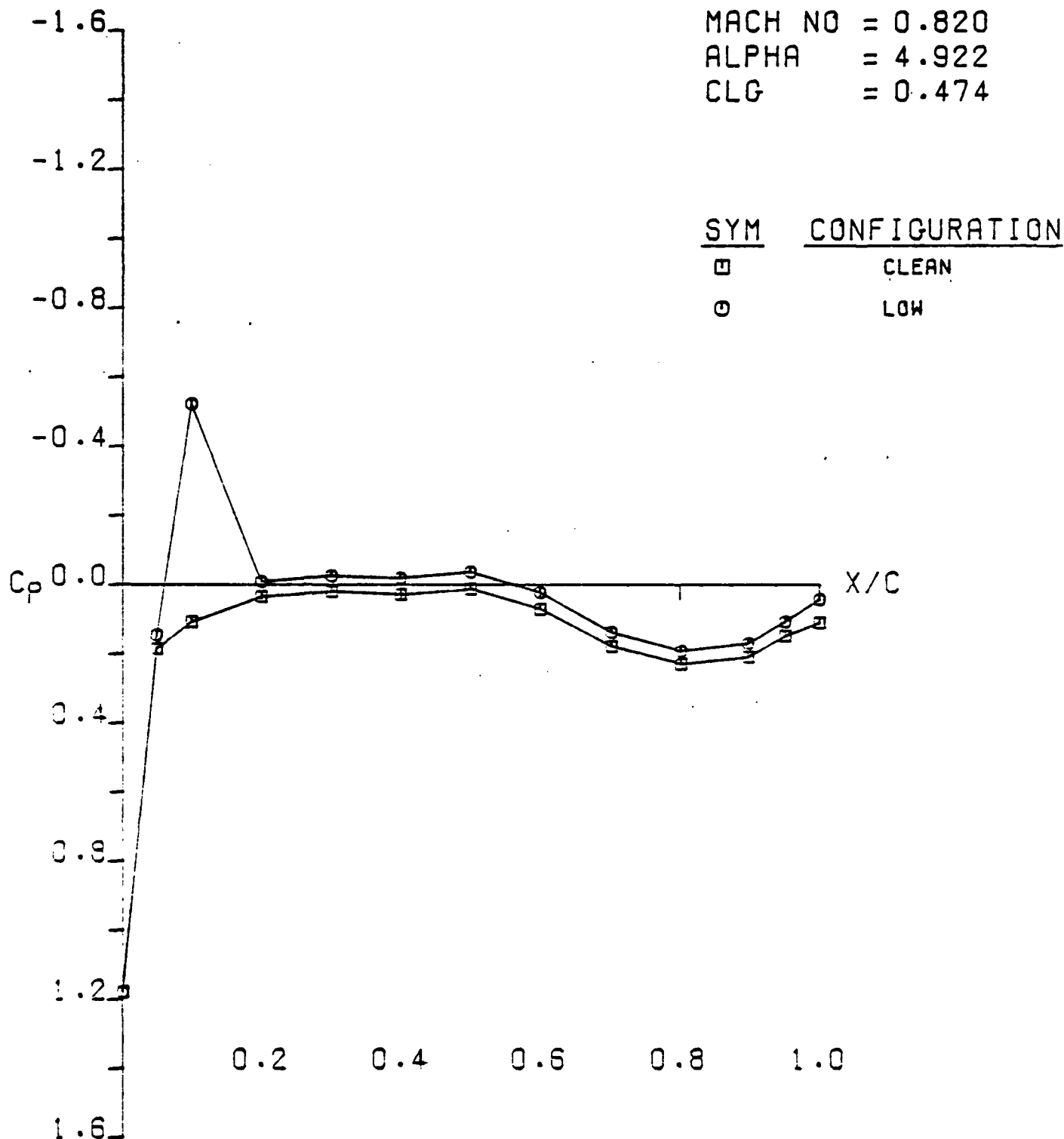
LOCKHEED CFWT SEMI-SPAN TEST, RUN 30
 CLN VS LOW (LWR SURF ETA .30)
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.820
 ALPHA = 4.922
 CLG = 0.474

SYM	CONFIGURATION
□	CLEAN
○	LOW



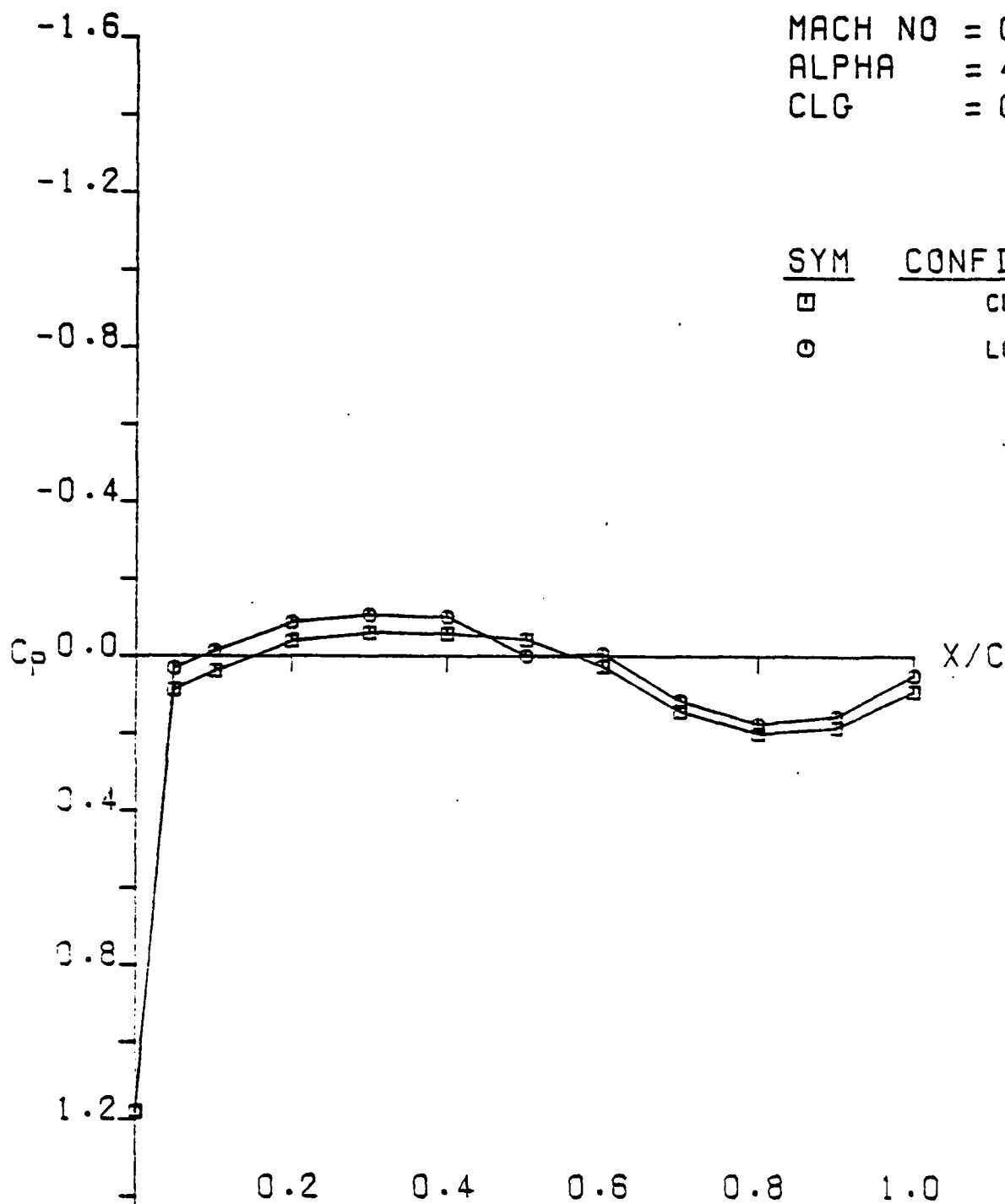
LOCKHEED CFWT SEMI-SPAN TEST, RUN 30
 CLN VS LOW (LWR SURF ETA .50)
 NUMERICALLY OPTIMIZED WING C



LOCKHEED CFWT SEMI-SPAN TEST, RUN 30
 CLN VS LOW (LWR SURF ETA .70)
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.820
 ALPHA = 4.922
 CLG = 0.474

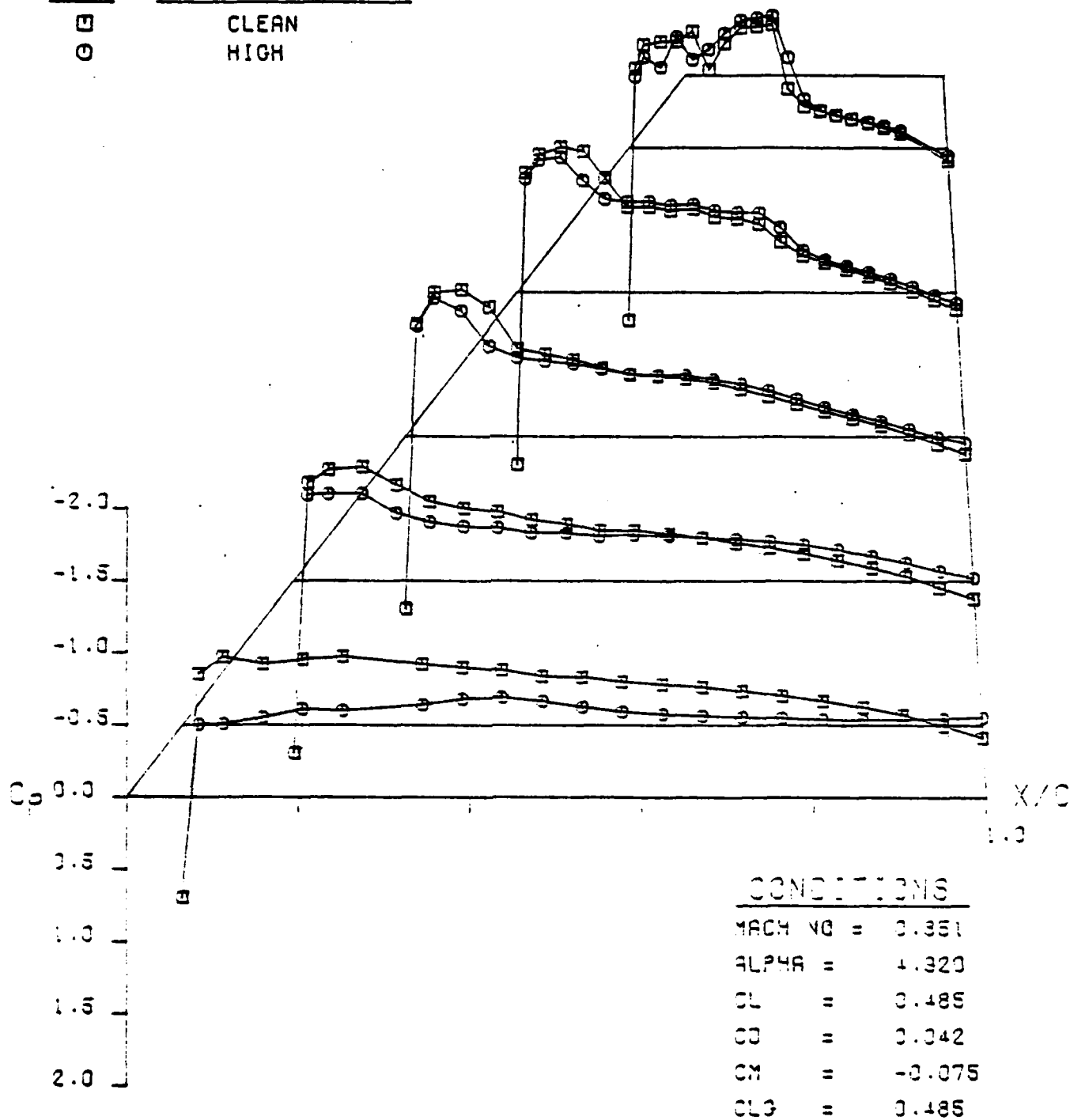
SYM	CONFIGURATION
□	CLEAN
○	LOW



LOCKHEED CFWT SEMI-SPAN TEST, RUN 30
 CLN VS LOW (LWR SURF ETA .90)
 NUMERICALLY OPTIMIZED WING C

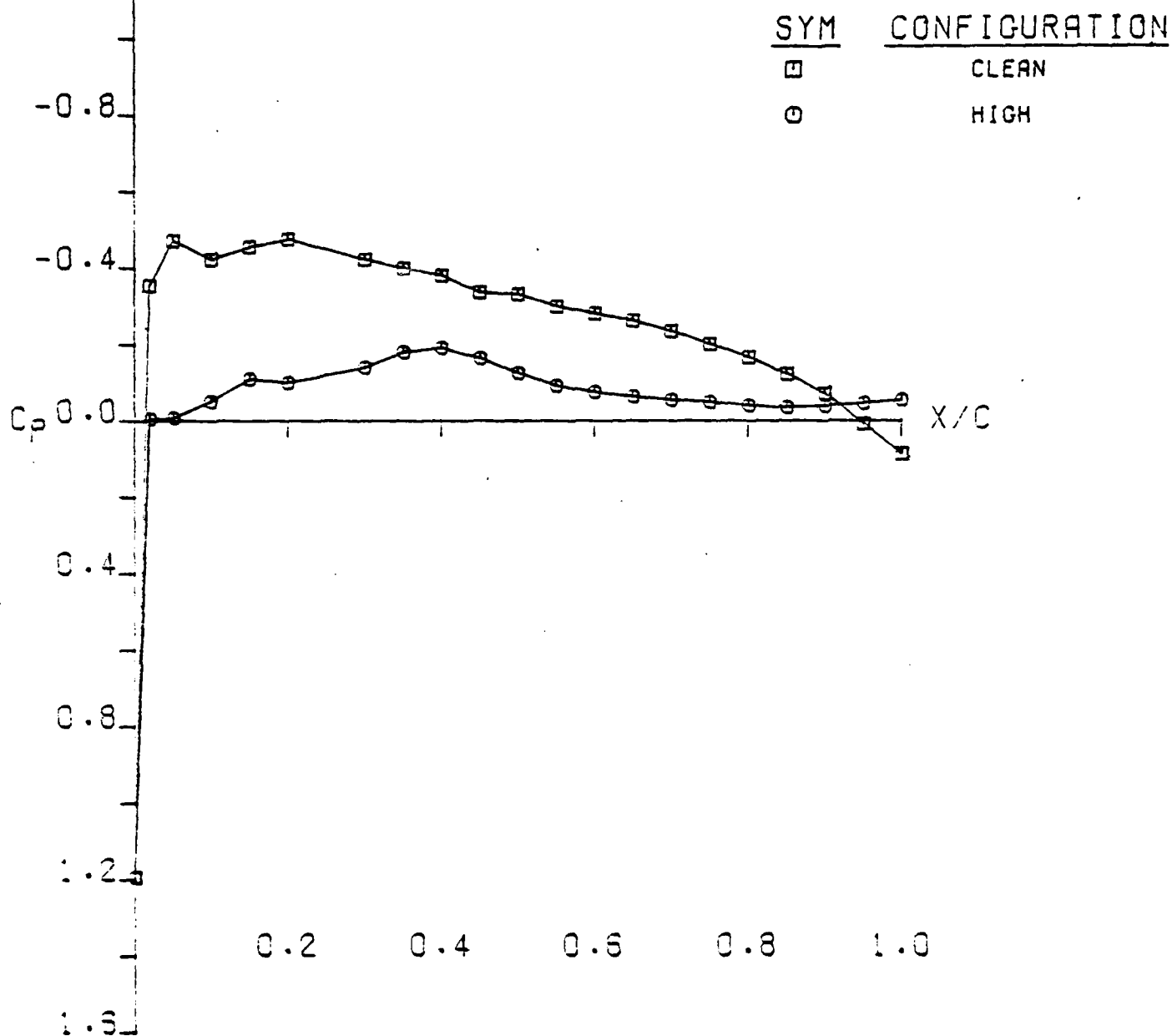
SYM CONFIGURATION

□ CLEAN
○ HIGH

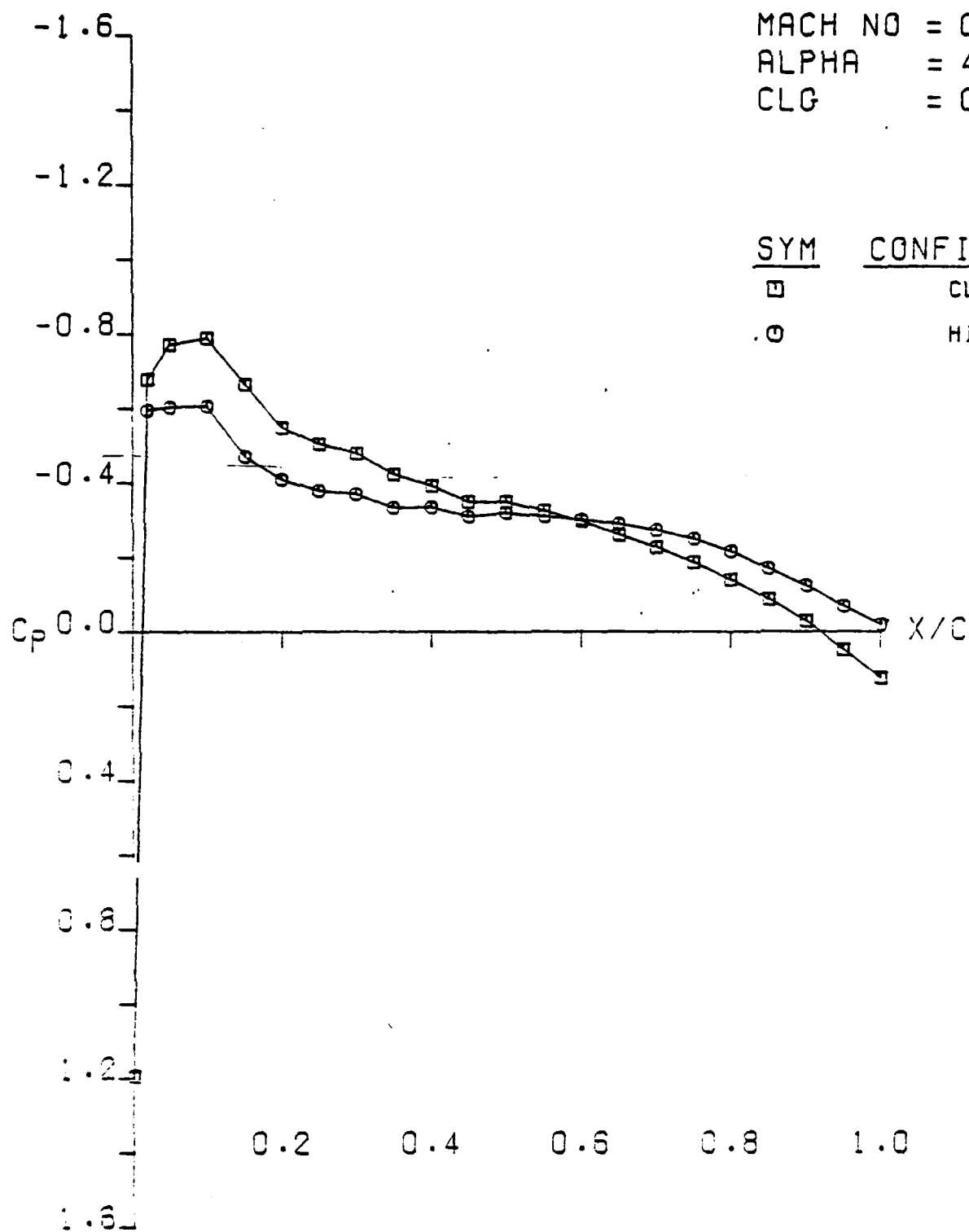


LOCKHEED OFWT SEMI-SPAN TEST, RUN 37
 CLN VS HIGH (UPR SURF)
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.851
ALPHA = 4.920
CLG = 0.485

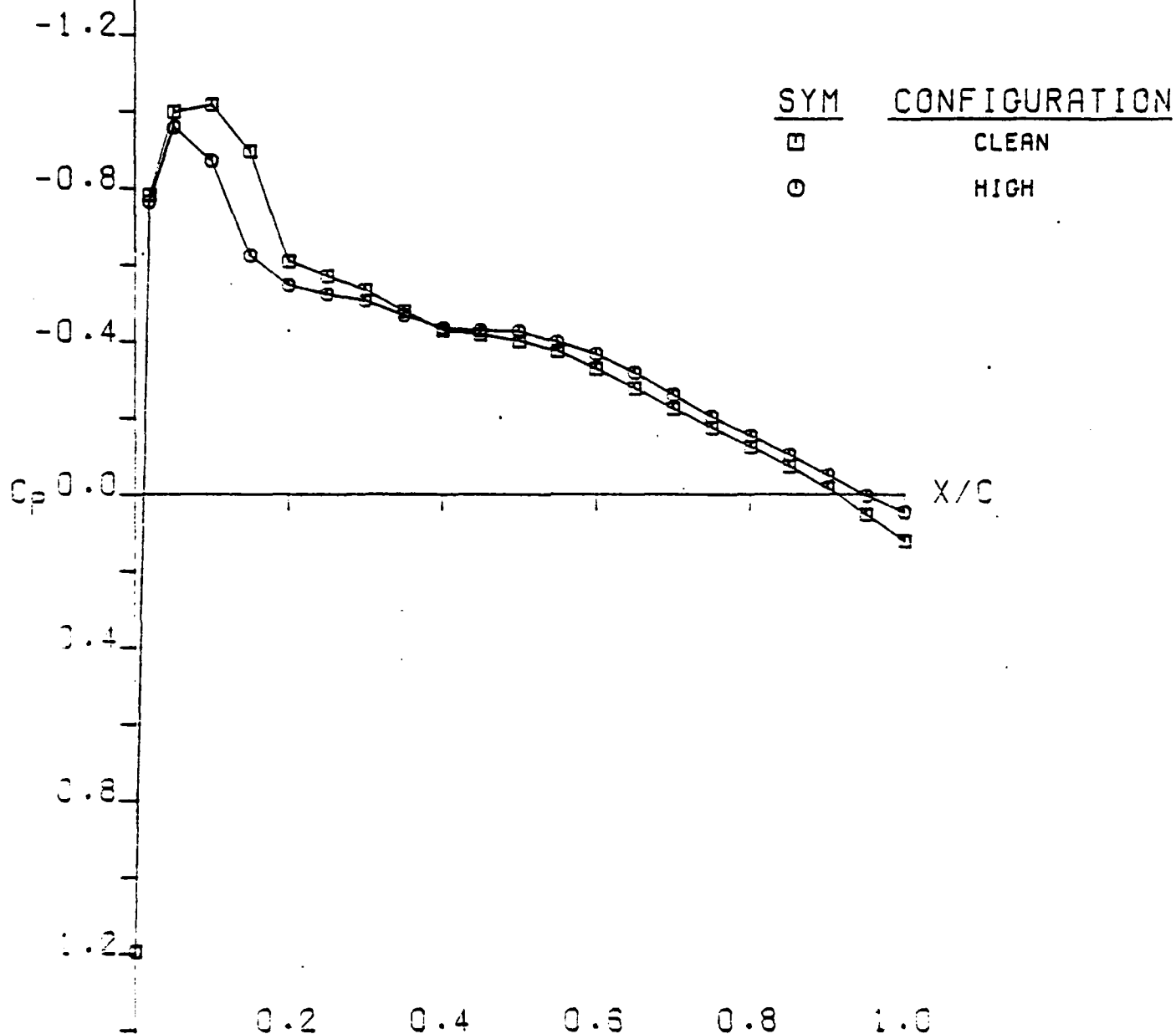


LOCKHEED CFWT SEMI-SPAN TEST, RUN 37
CLN VS HIGH (UPR SURF ETA .10)
NUMERICALLY OPTIMIZED WING C

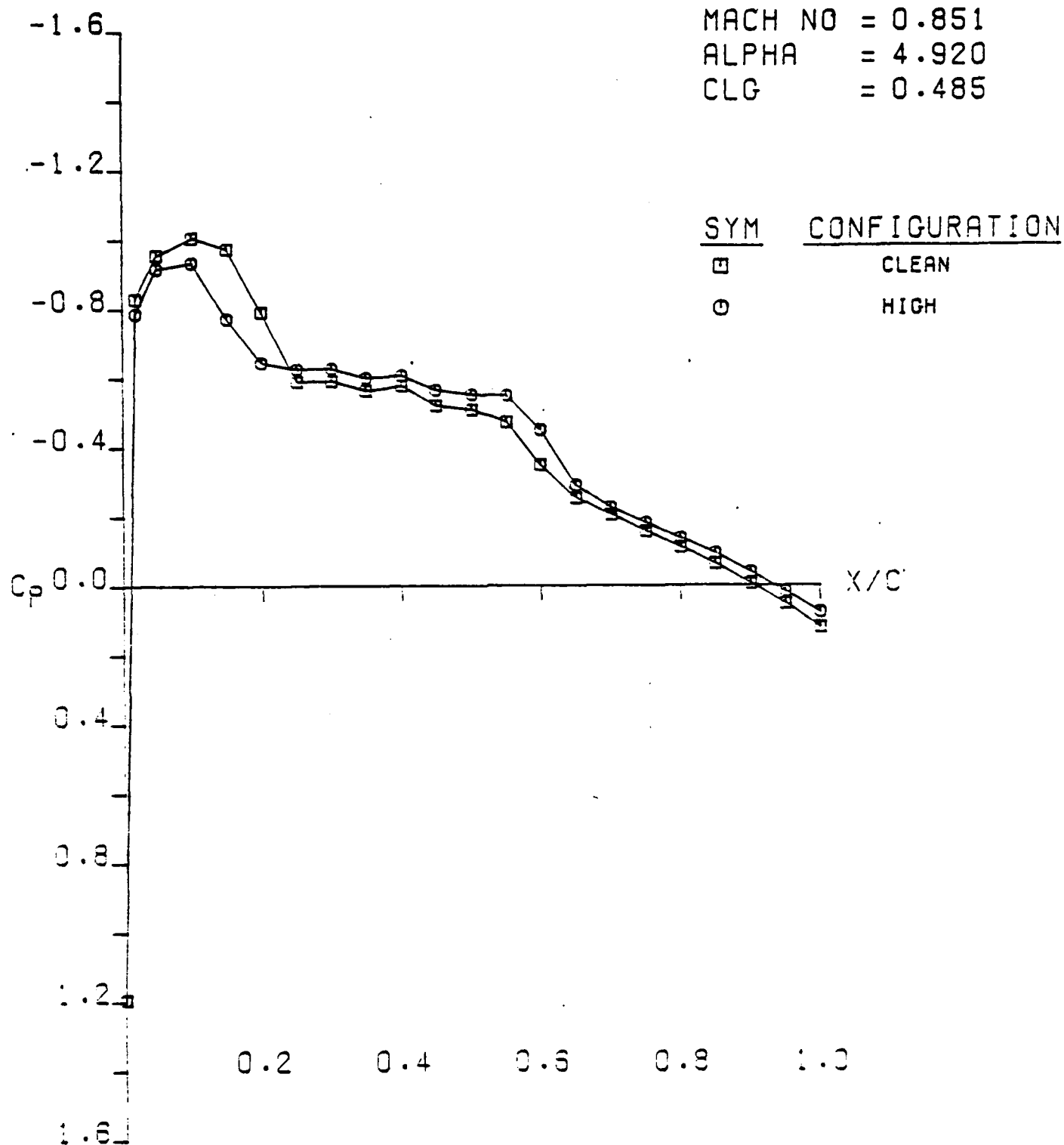


LOCKHEED CFWT SEMI-SPAN TEST, RUN 37
CLN VS HIGH (UPR SURF ETA 1.30)
NUMERICALLY OPTIMIZED WING C

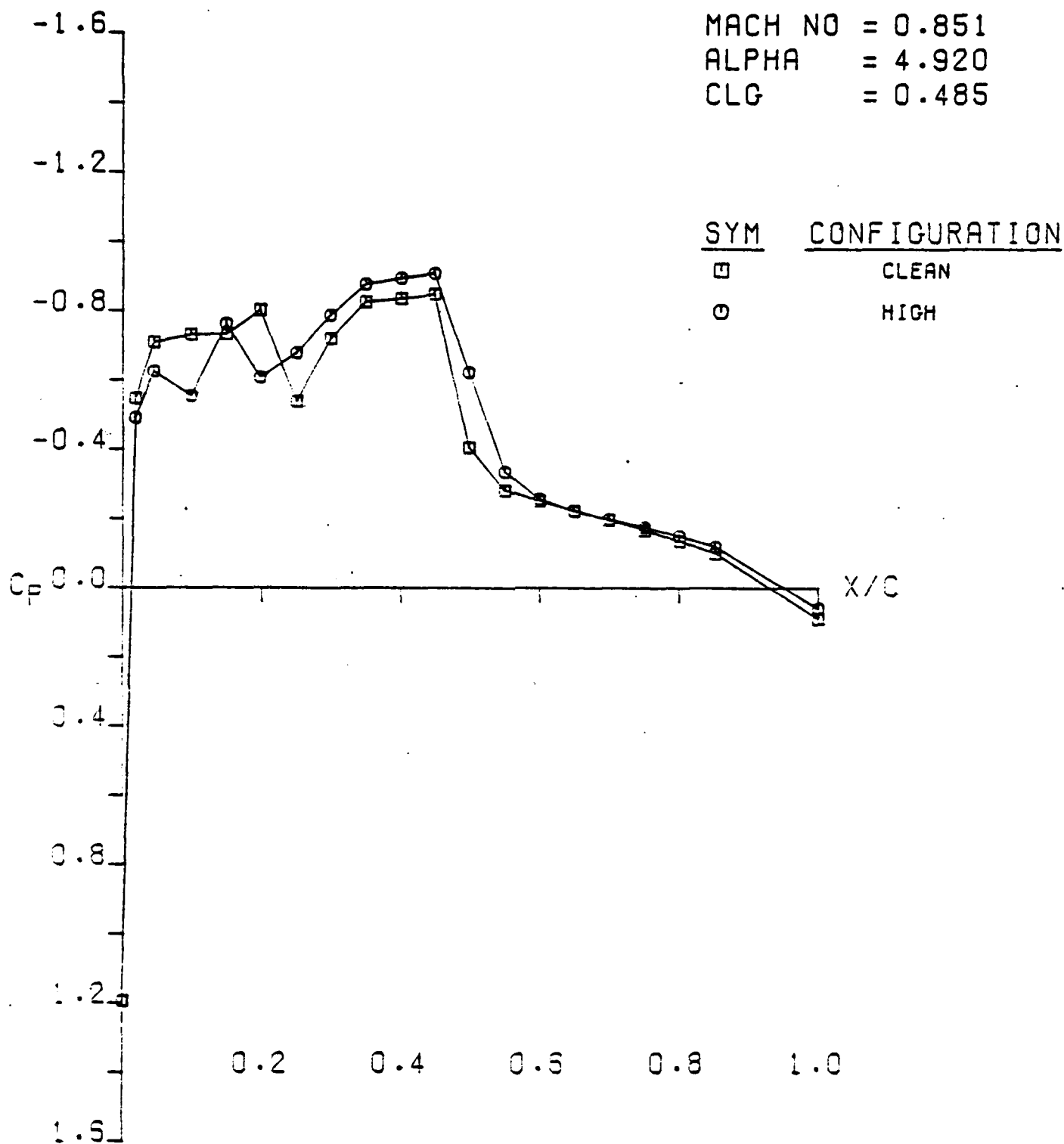
MACH NO = 0.851
 ALPHA = 4.920
 CLG = 0.485



LOCKHEED CFWT SEMI-SPAN TEST, RUN 37
 CLN VS HIGH (UPR SURF ETA .50)
 NUMERICALLY OPTIMIZED WING C



LOCKHEED CFWT SEMI-SPAN TEST, RUN 37
CLN VS HIGH (UPR SURF ETA .70)
NUMERICALLY OPTIMIZED WING C

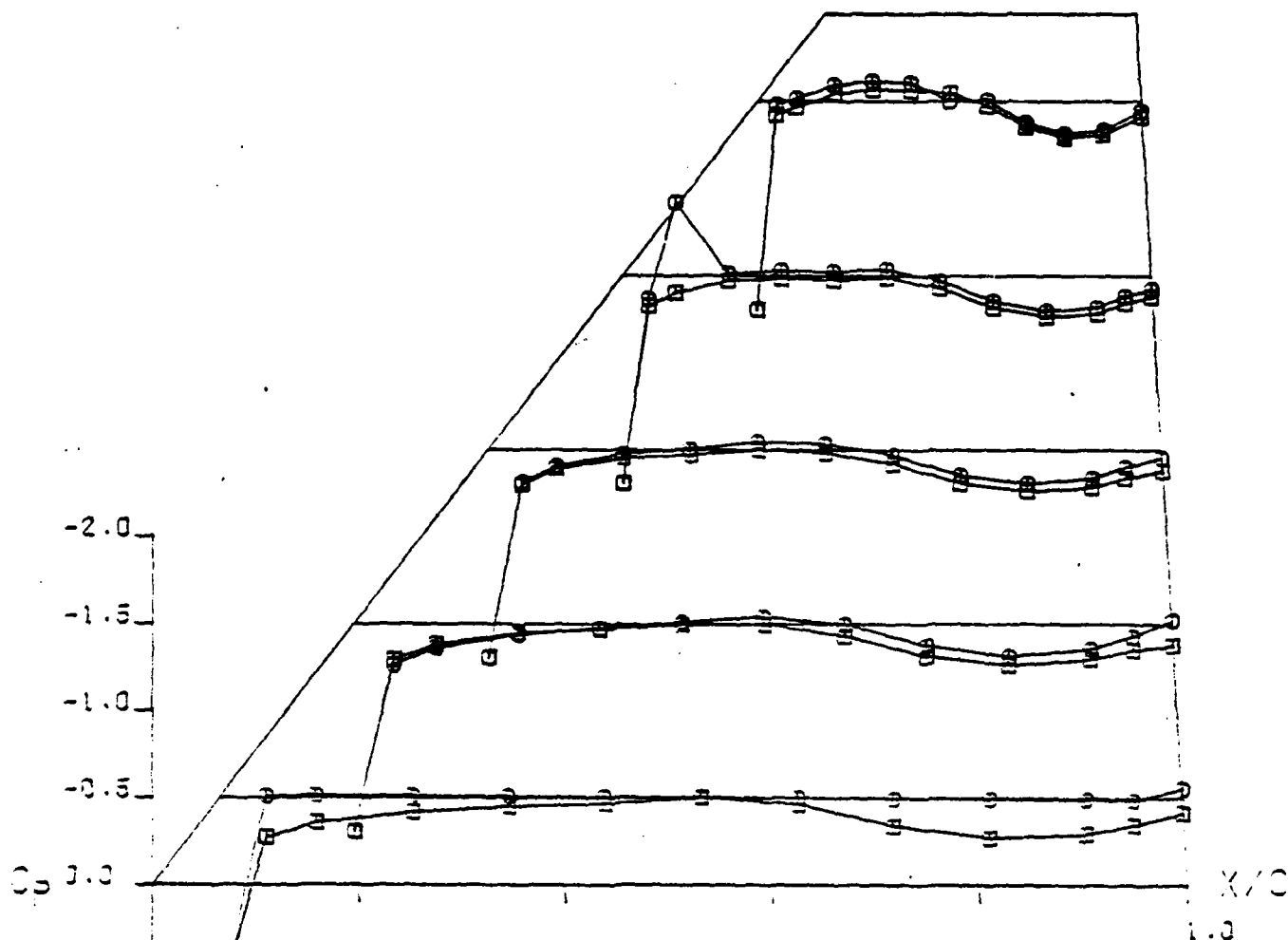


LOCKHEED CFWT SEMI-SPAN TEST, RUN 37
 CLN VS HIGH (UPR SURF ETA .90)
 NUMERICALLY OPTIMIZED WING C

SYM CONFIGURATION

□
○

CLEAN
HIGH



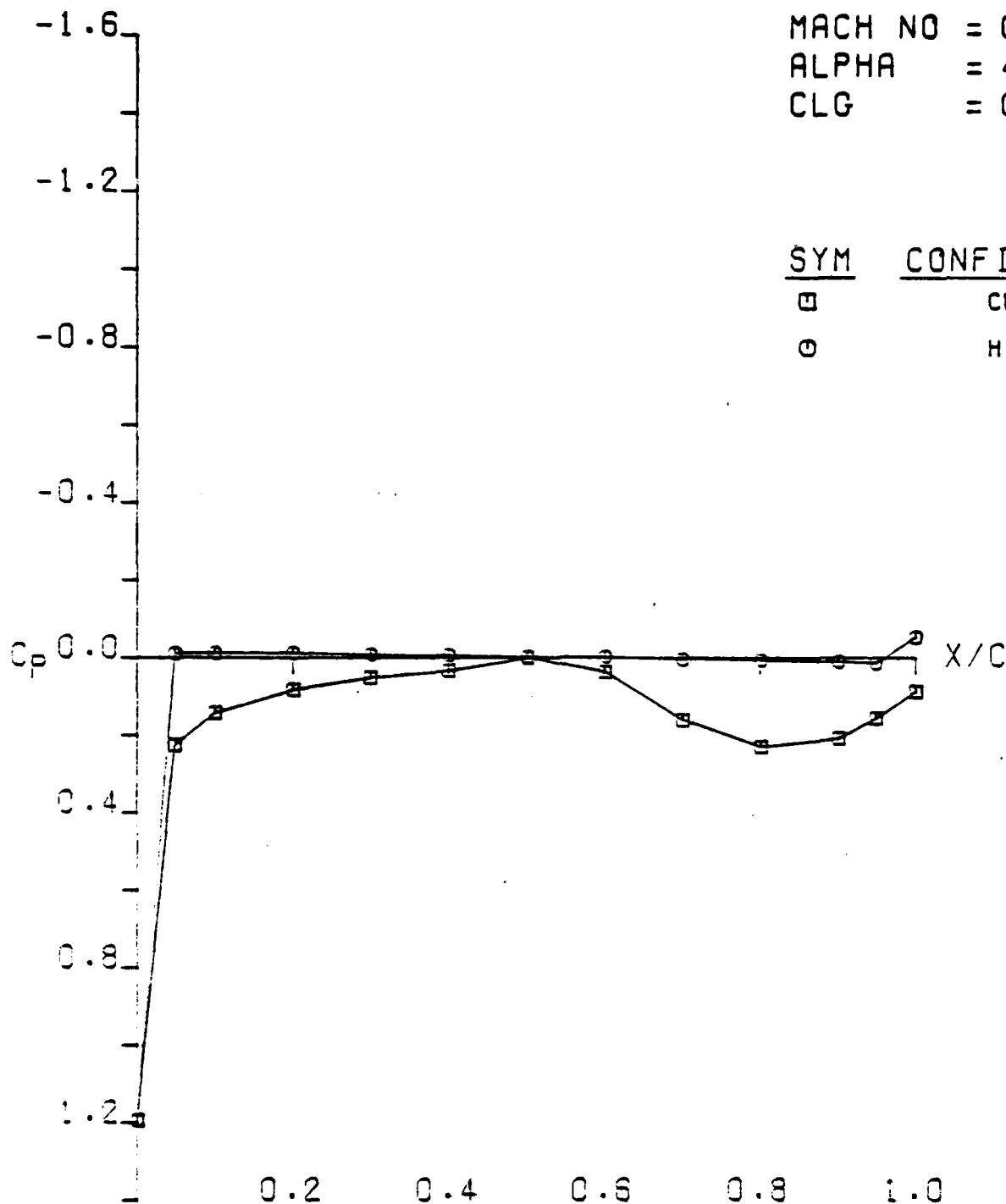
CONDITIONS

MACH NO = 0.351
ALPHA = 4.320
CL = 0.435
CD = 0.042
CM = -0.075
CLO = 0.485

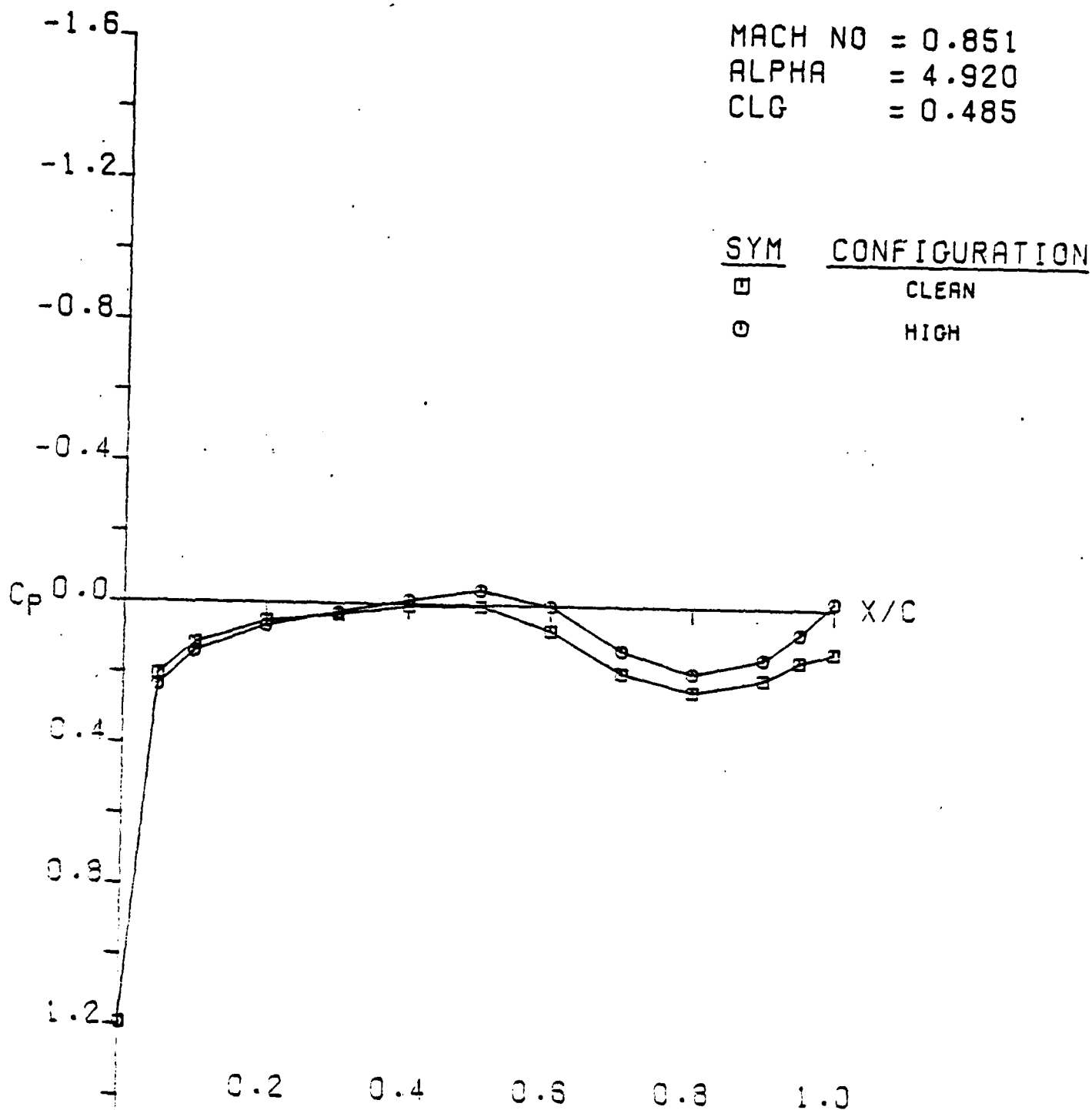
LOCKHEED CFWT SEMI-SPAN TEST, RUN 37
CLN VS HIGH (LWR SURF)
NUMERICALLY OPTIMIZED WING C

MACH NO = 0.851
 ALPHA = 4.920
 CLG = 0.485

SYM	CONFIGURATION
□	CLEAN
○	HIGH



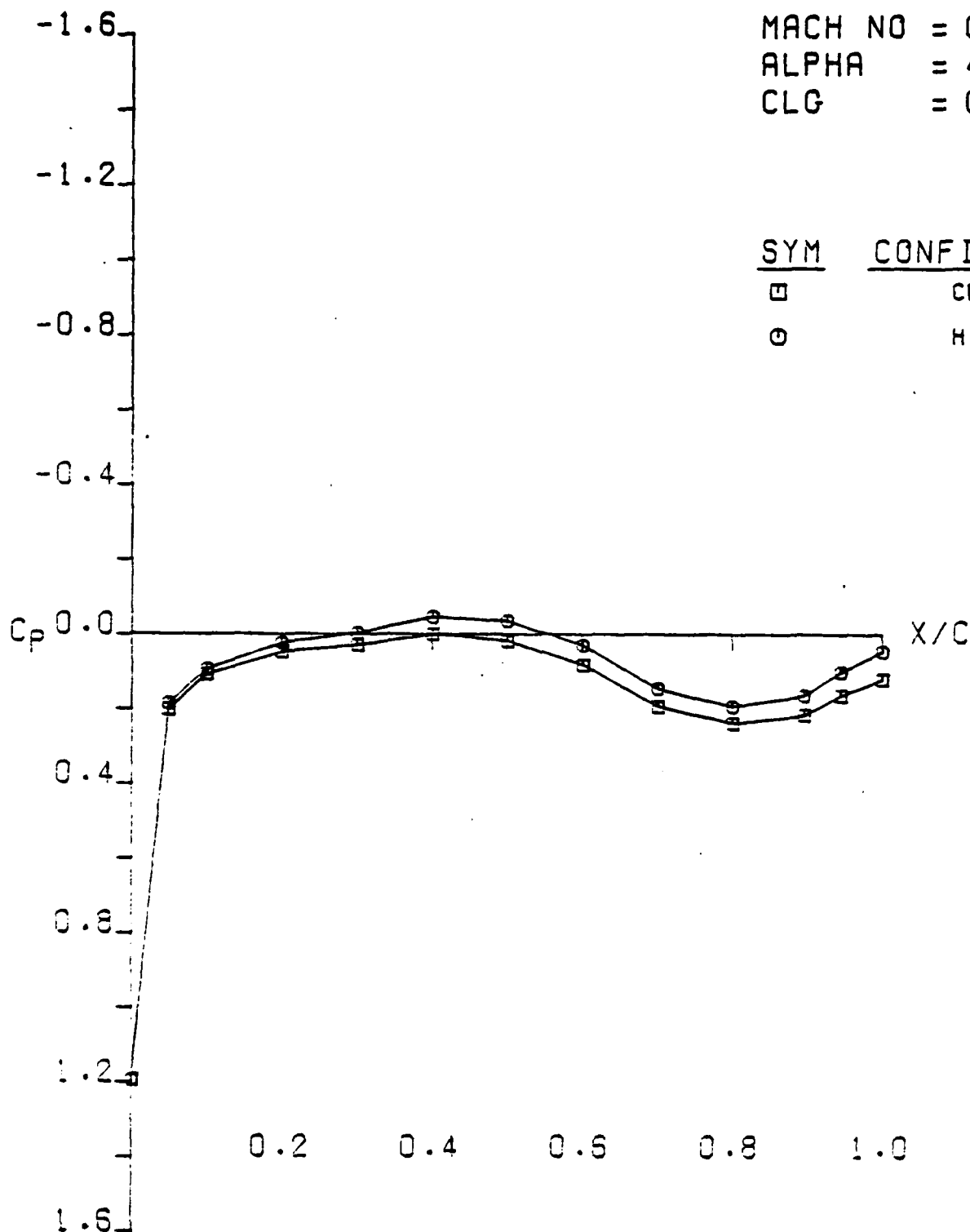
LOCKHEED CFWT SEMI-SPAN TEST, RUN 37
 CLN VS HIGH (LWR SURF ETA .10)
 NUMERICALLY OPTIMIZED WING C



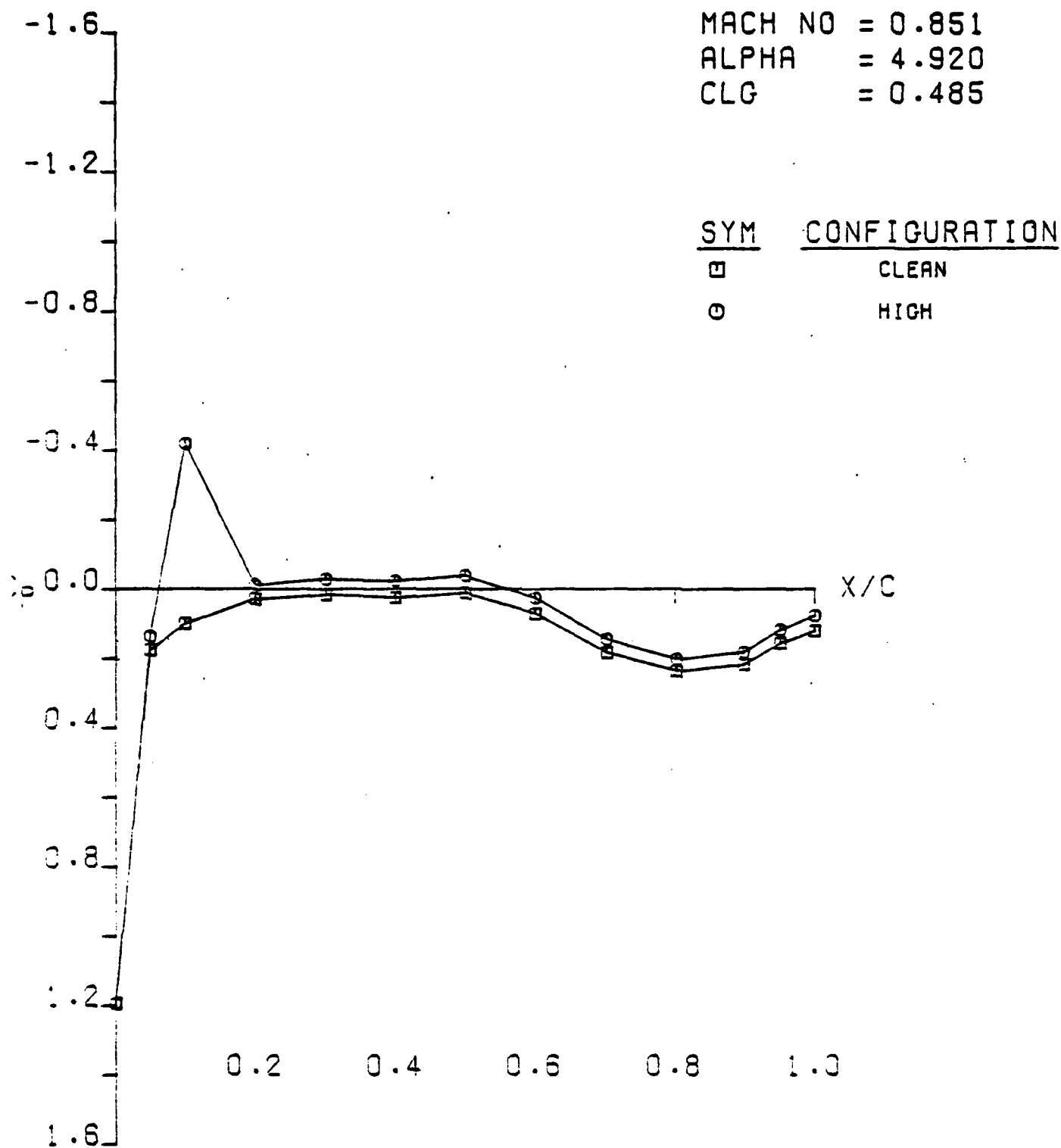
LOCKHEED CFWT SEMI-SPAN TEST, RUN 37
 CLN VS HIGH (LWR SURF ETA .30)
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.851
 ALPHA = 4.920
 CLG = 0.485

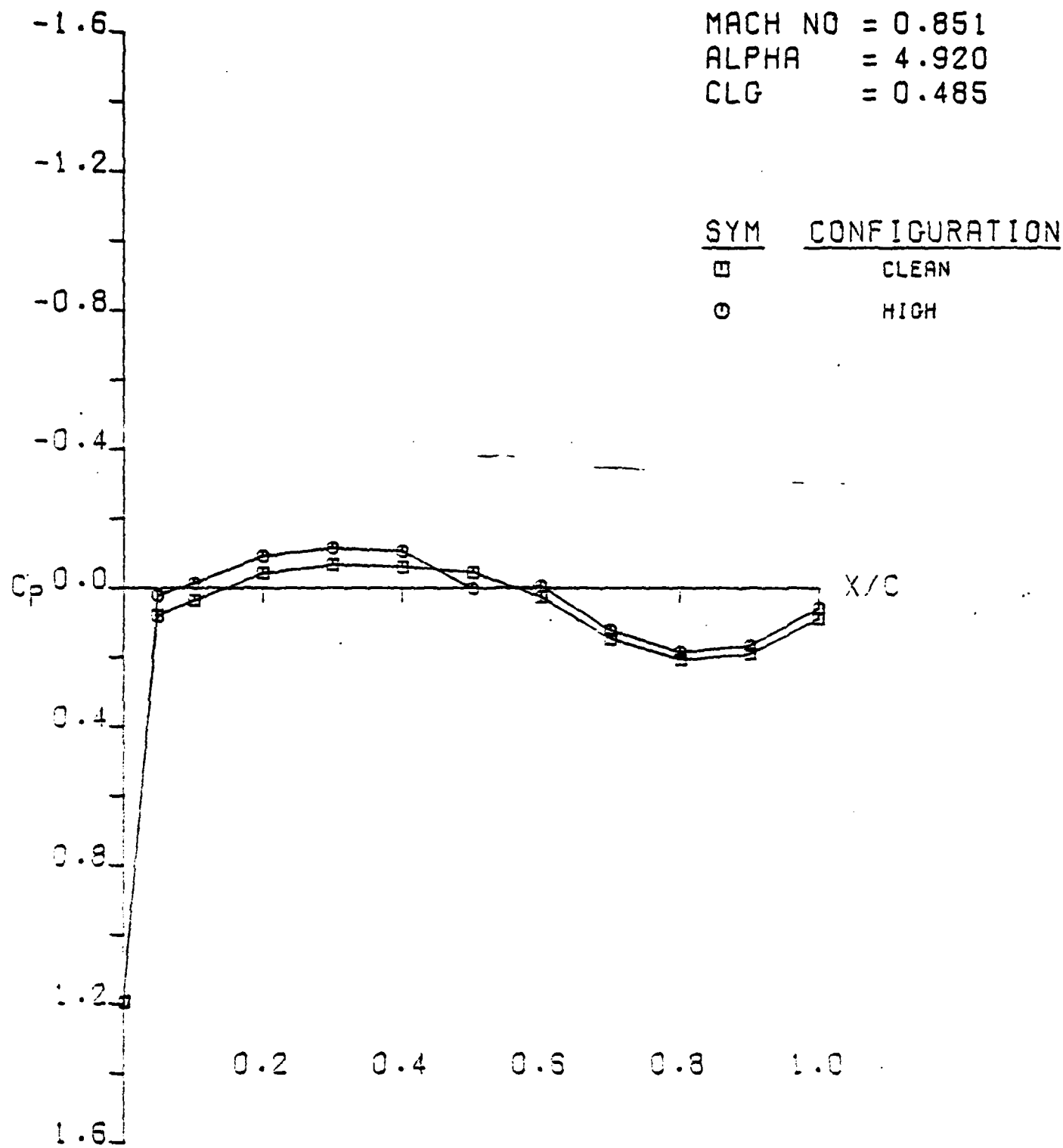
SYM	CONFIGURATION
□	CLEAN
○	HIGH



LOCKHEED CFWT SEMI-SPAN TEST, RUN 37
 CLN VS HIGH (LWR SURF ETA .50)
 NUMERICALLY OPTIMIZED WING C



LOCKHEED CFWT SEMI-SPAN TEST, RUN 37
CLN VS HIGH (LWR SURF ETA .70)
NUMERICALLY OPTIMIZED WING C

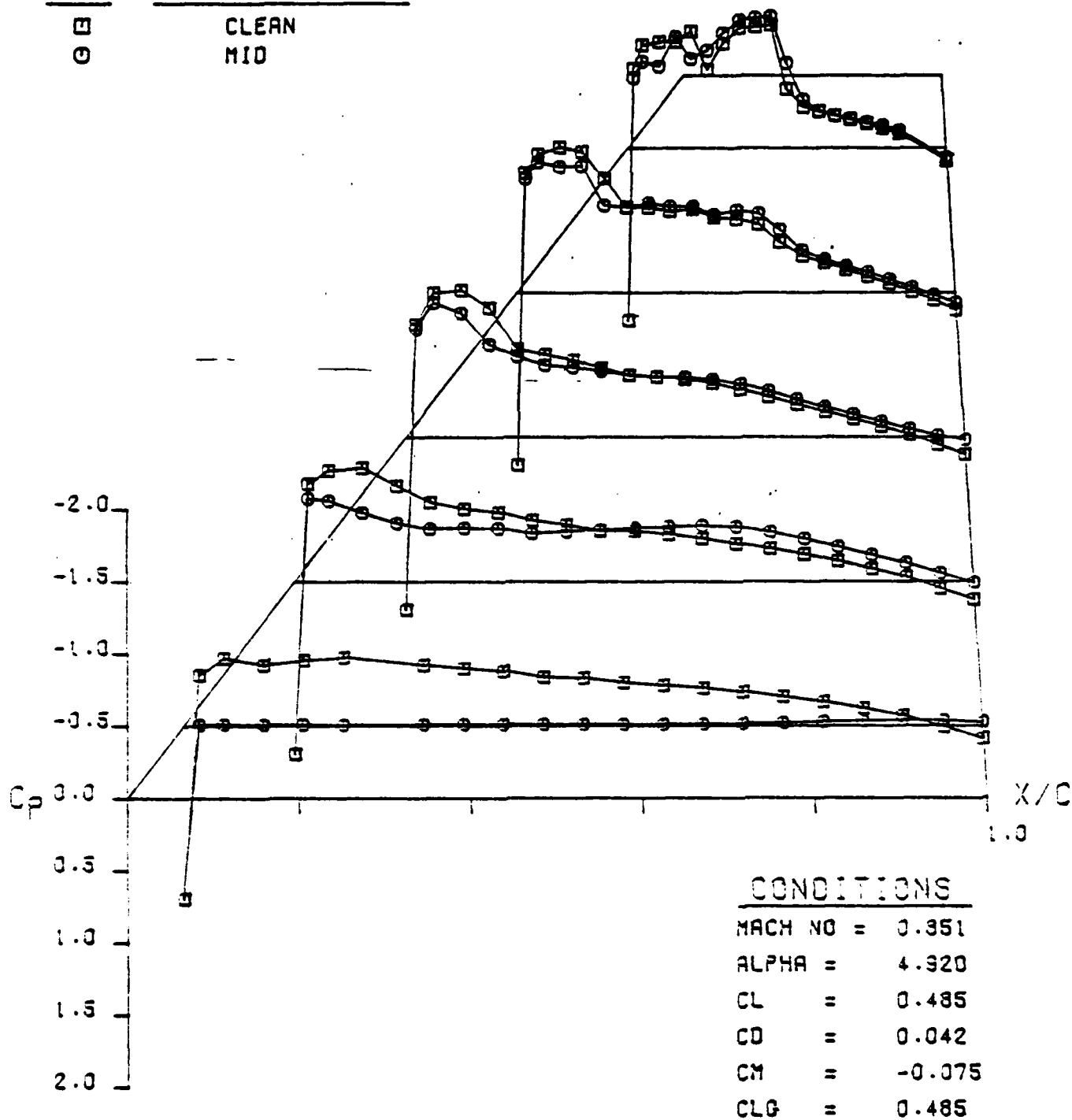


LOCKHEED CFWT SEMI-SPAN TEST, RUN 37
 CLN VS HIGH (LWR SURF ETR .90)
 NUMERICALLY OPTIMIZED WING C

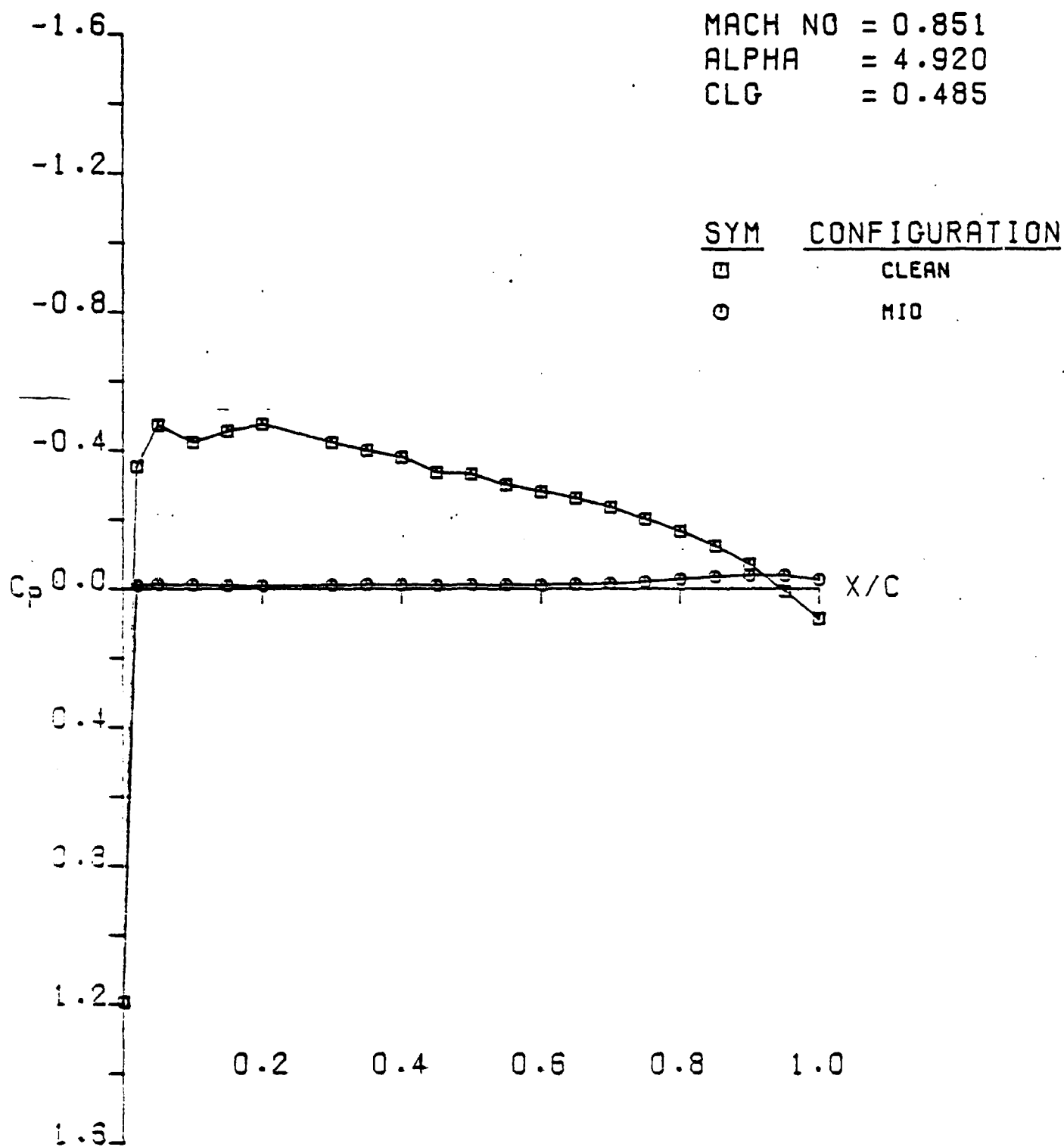
SYM CONFIGURATION

□
○

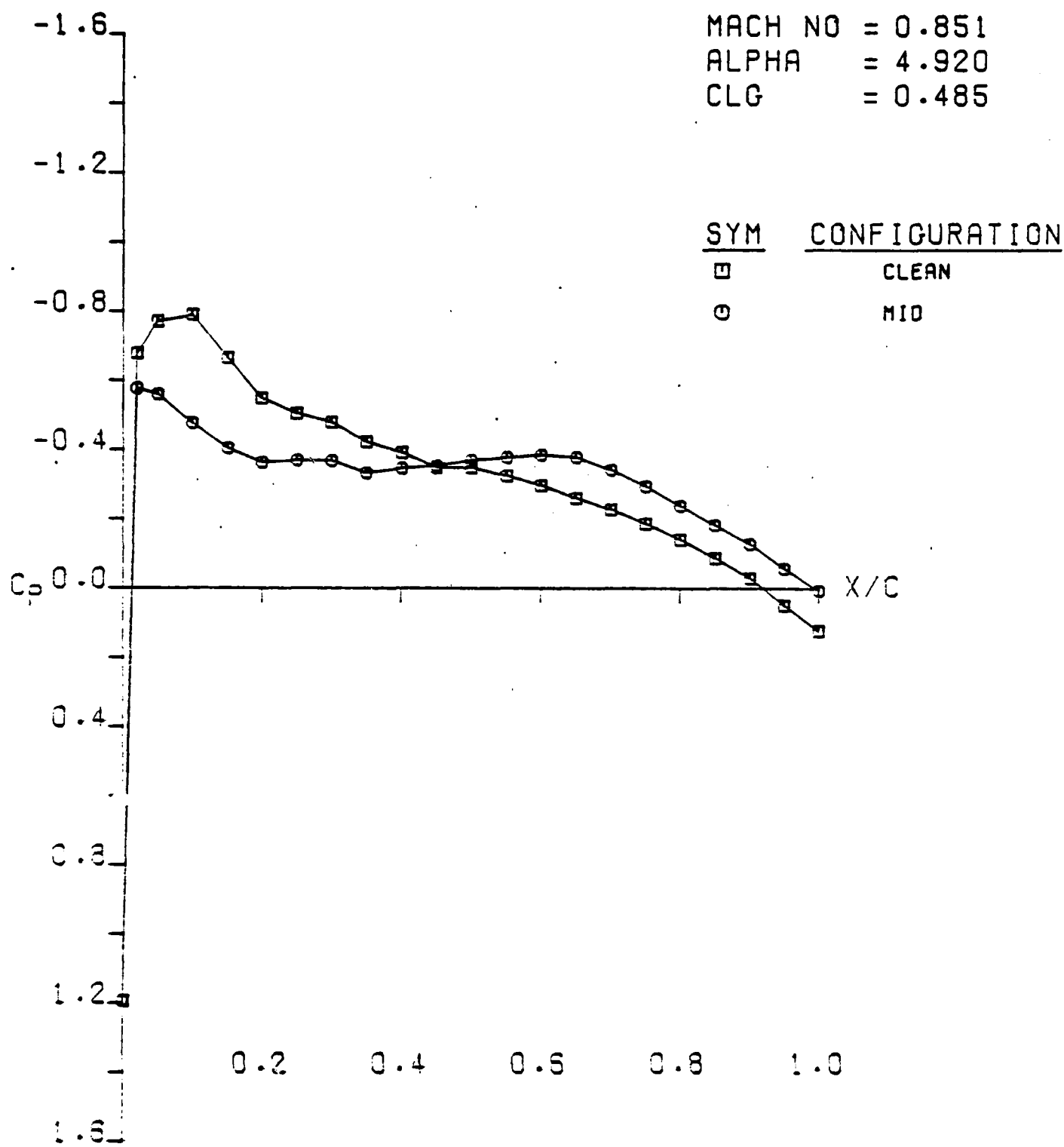
CLEAN
MID



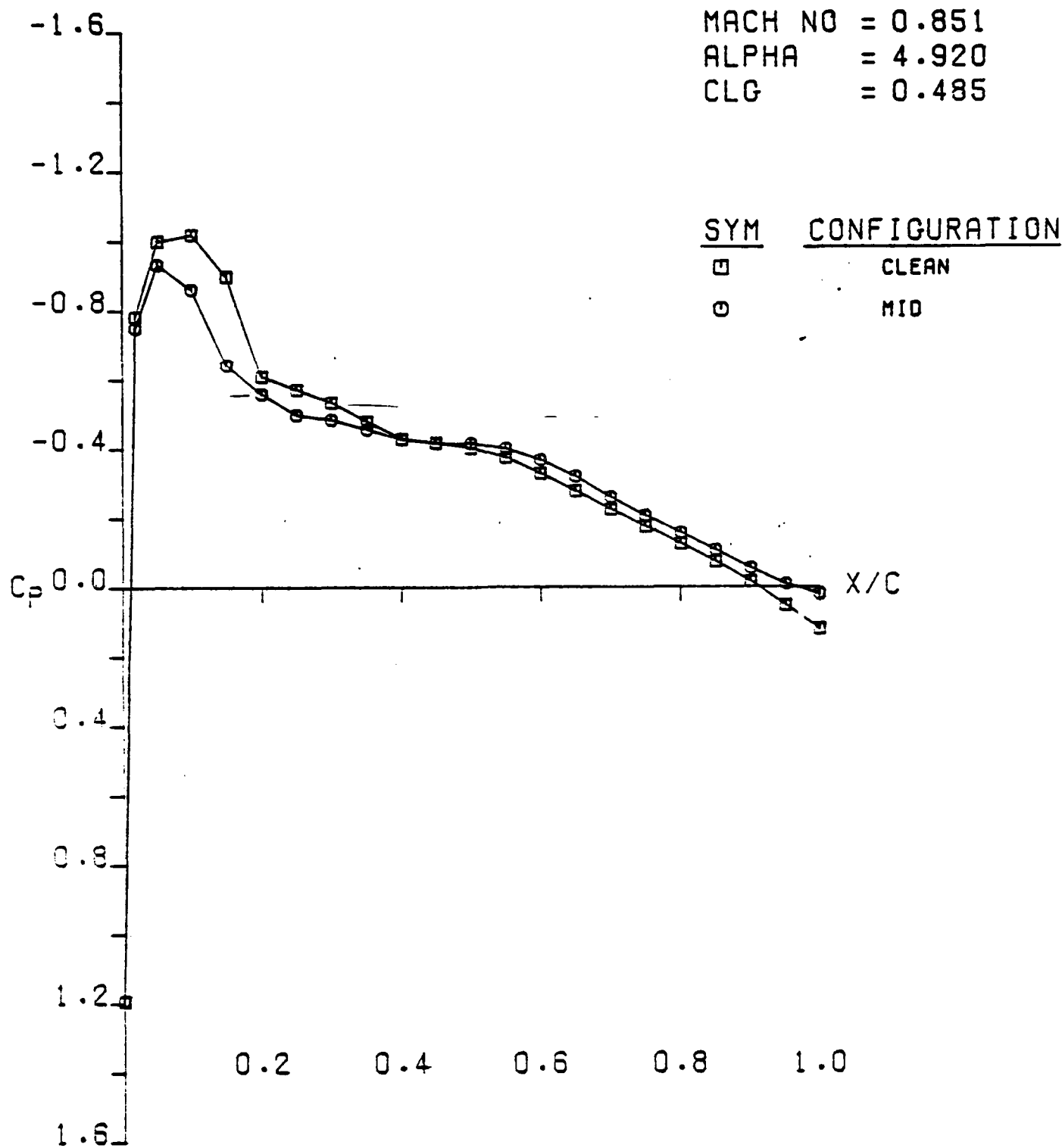
LOCKHEED CFWT SEMI-SPAN TEST, RUN 37
CLN VS MID - NO SEAL (UPR SURF)
NUMERICALLY OPTIMIZED WING C



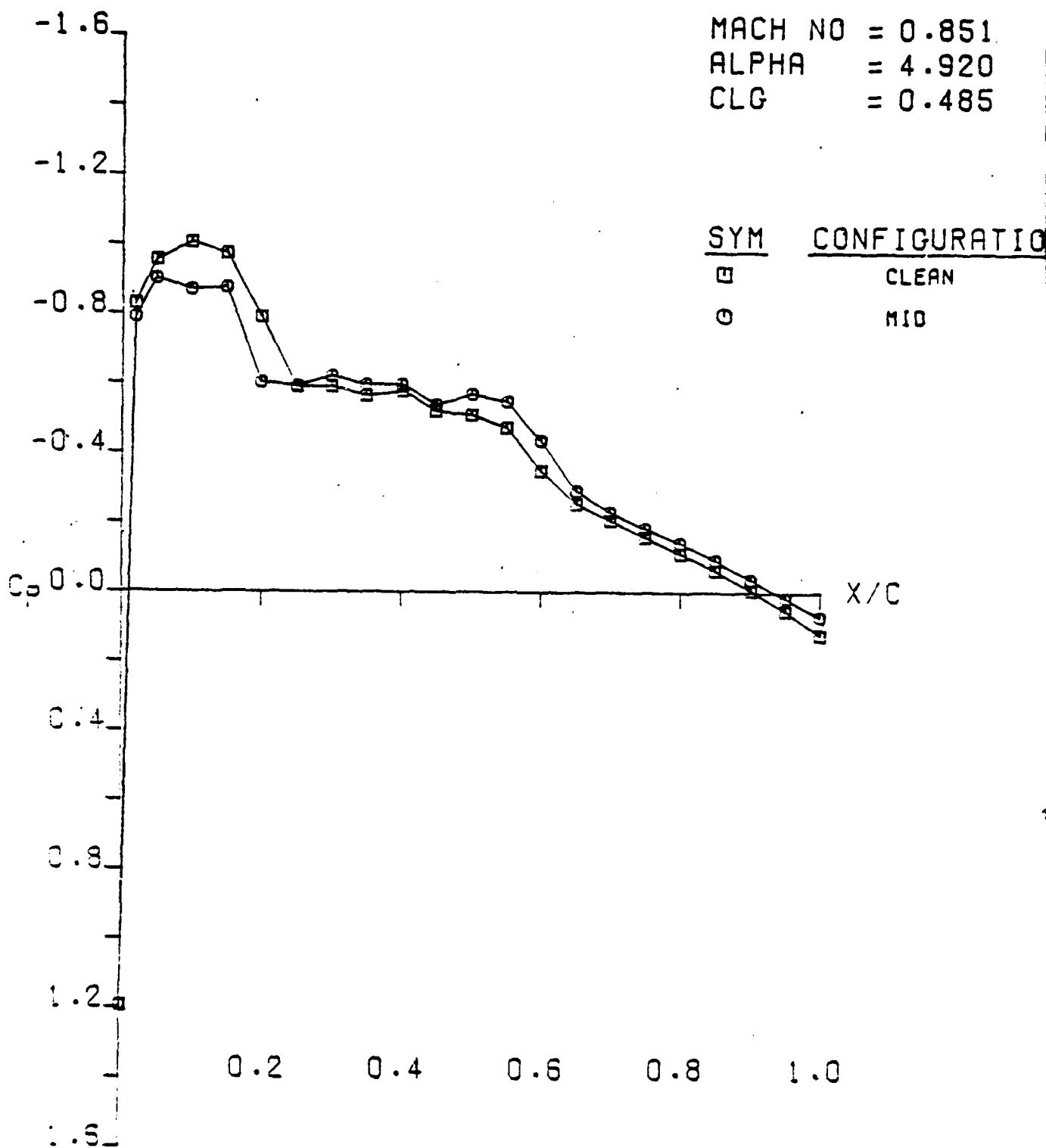
LOCKHEED CFWT SEMI-SPAN TEST, RUN 37
CLN VS MID - NO SEAL (UPR SURF ETA .10)
NUMERICALLY OPTIMIZED WING C



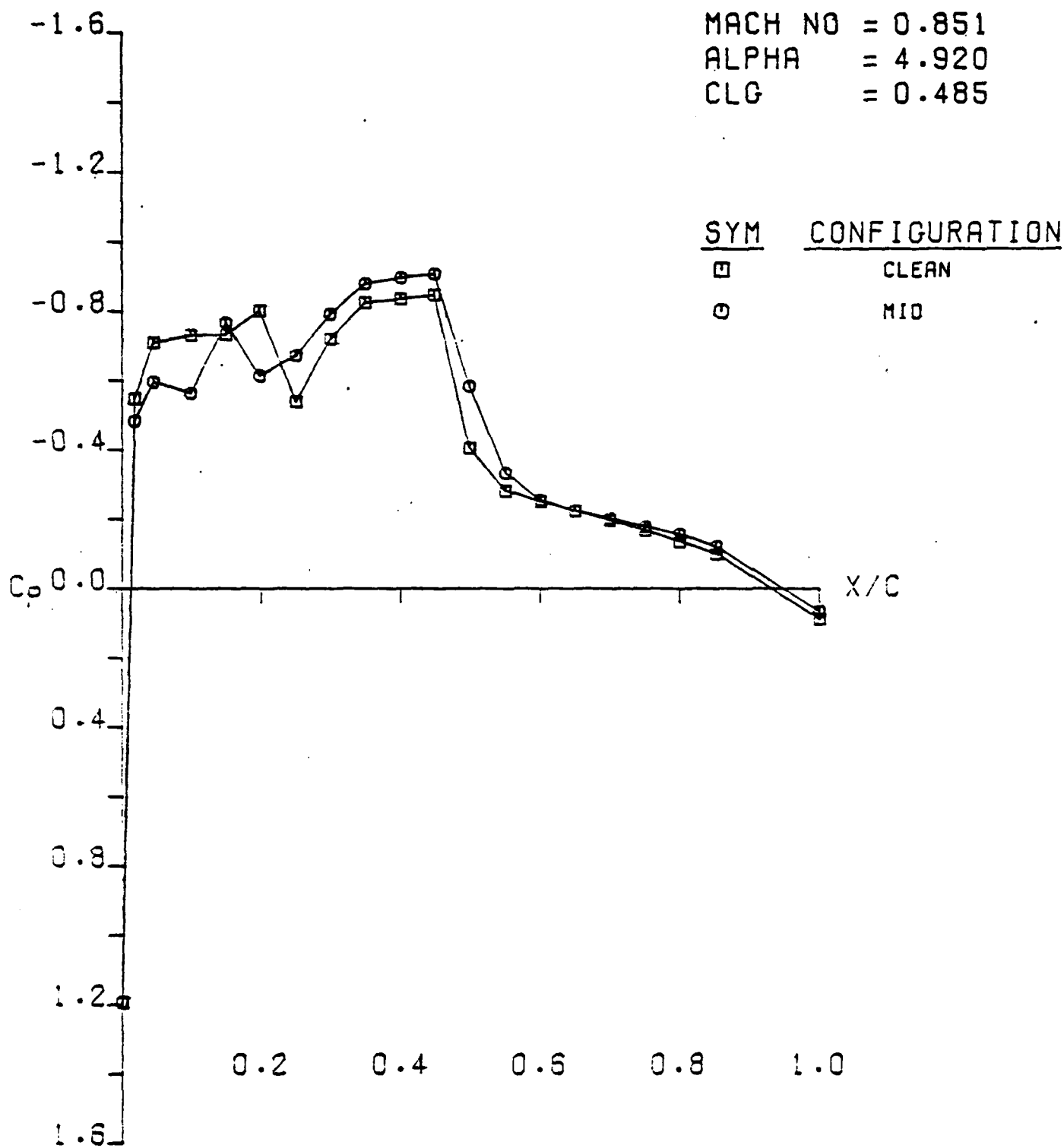
LOCKHEED CFWT SEMI-SPAN TEST, RUN 37
 CLN VS MID - NO SEAL (UPR SURF ETA .30)
 NUMERICALLY OPTIMIZED WING C



LOCKHEED CFWT SEMI-SPAN TEST, RUN 37
 CLN VS MID - NO SEAL (UPR SURF ETA .50)
 NUMERICALLY OPTIMIZED WING C



LOCKHEED CFWT SEMI-SPAN TEST, RUN 37
CLN VS MID - NO SEAL (UPR SURF ETA .70)
NUMERICALLY OPTIMIZED WING C

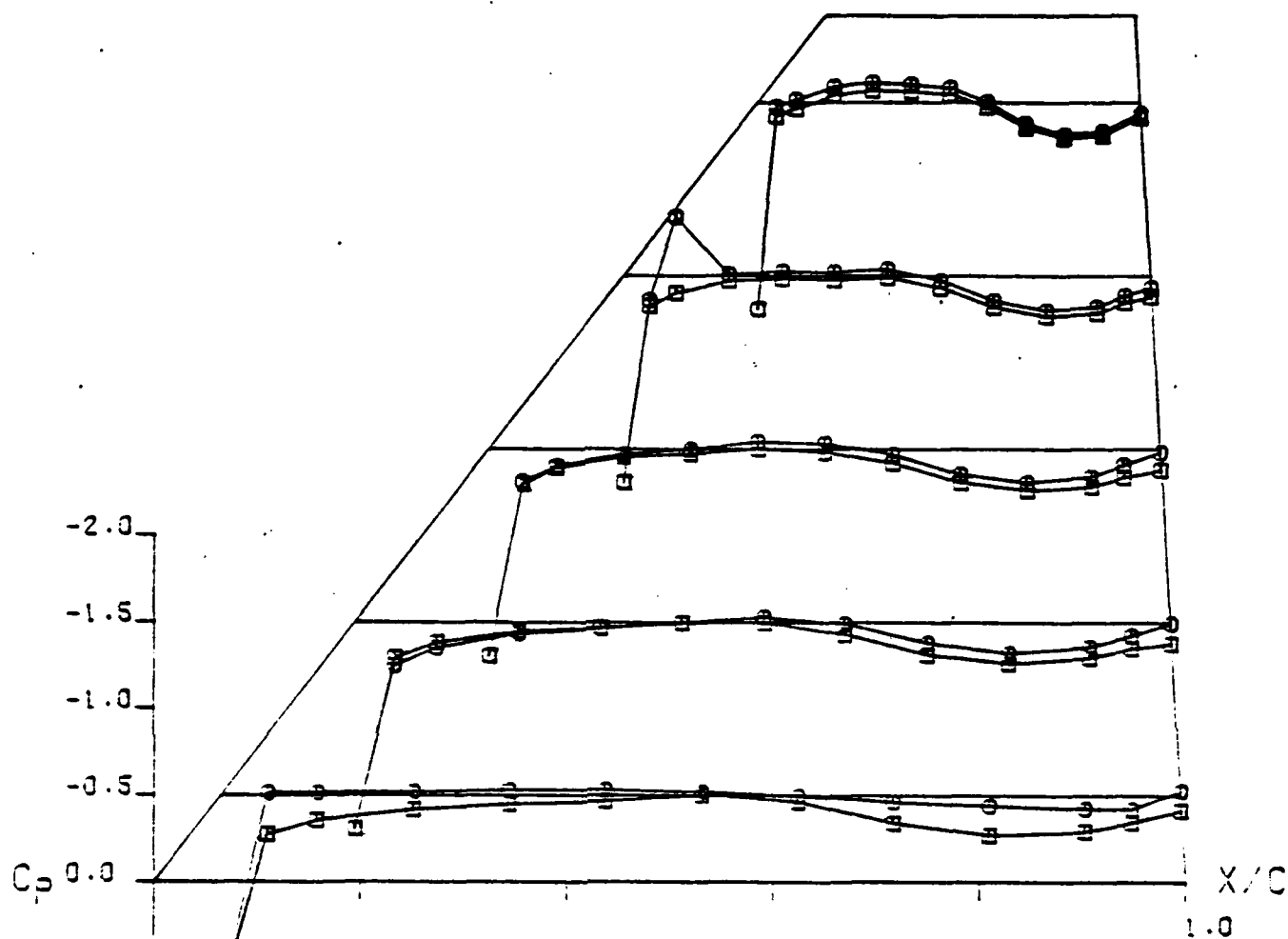


LOCKHEED CFWT SEMI-SPAN TEST, RUN 37
CLN VS MID - NO SEAL (UPR SURF ETA .90)
NUMERICALLY OPTIMIZED WING C

SYM CONFIGURATION

□
○

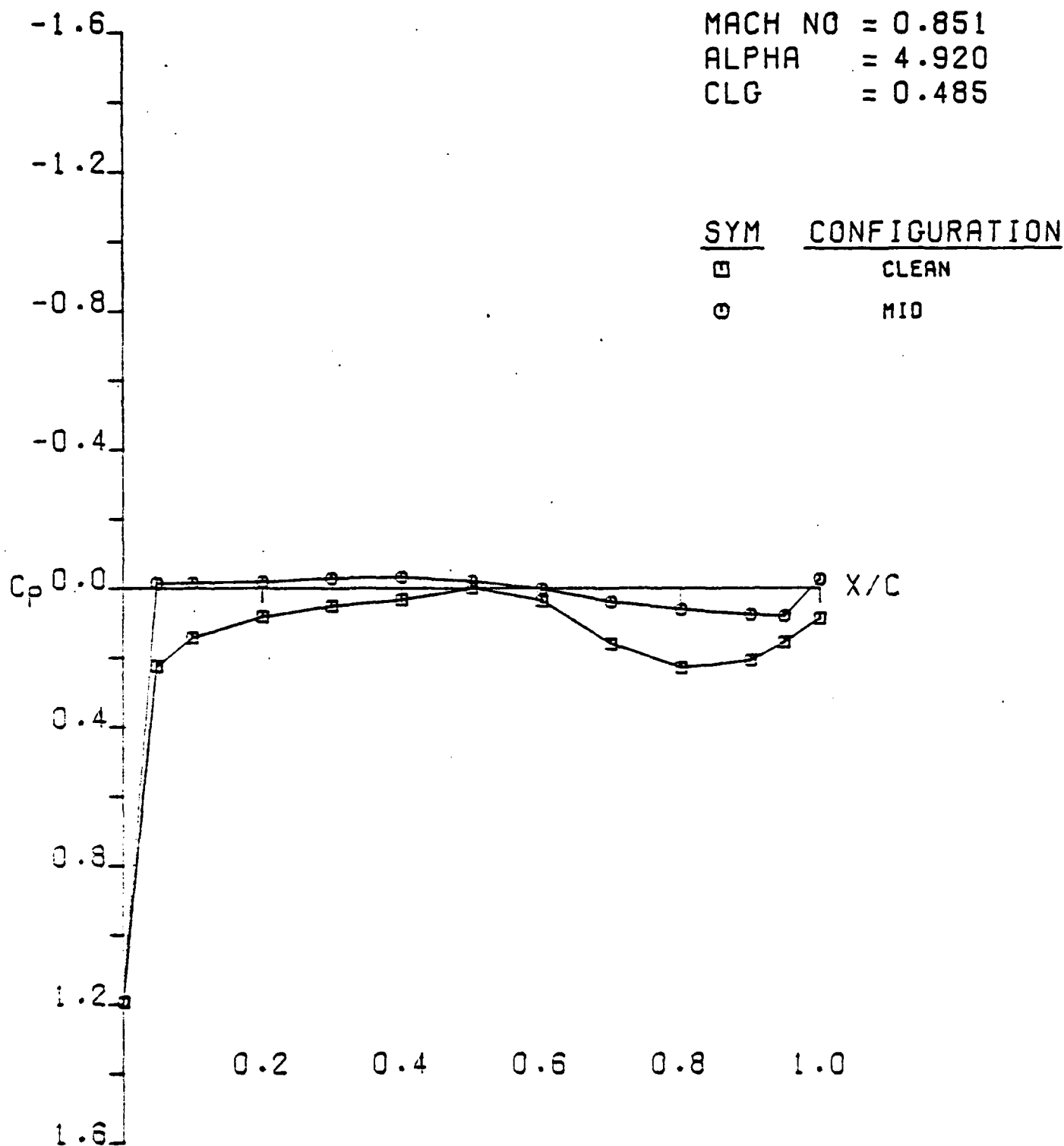
CLEAN
MID



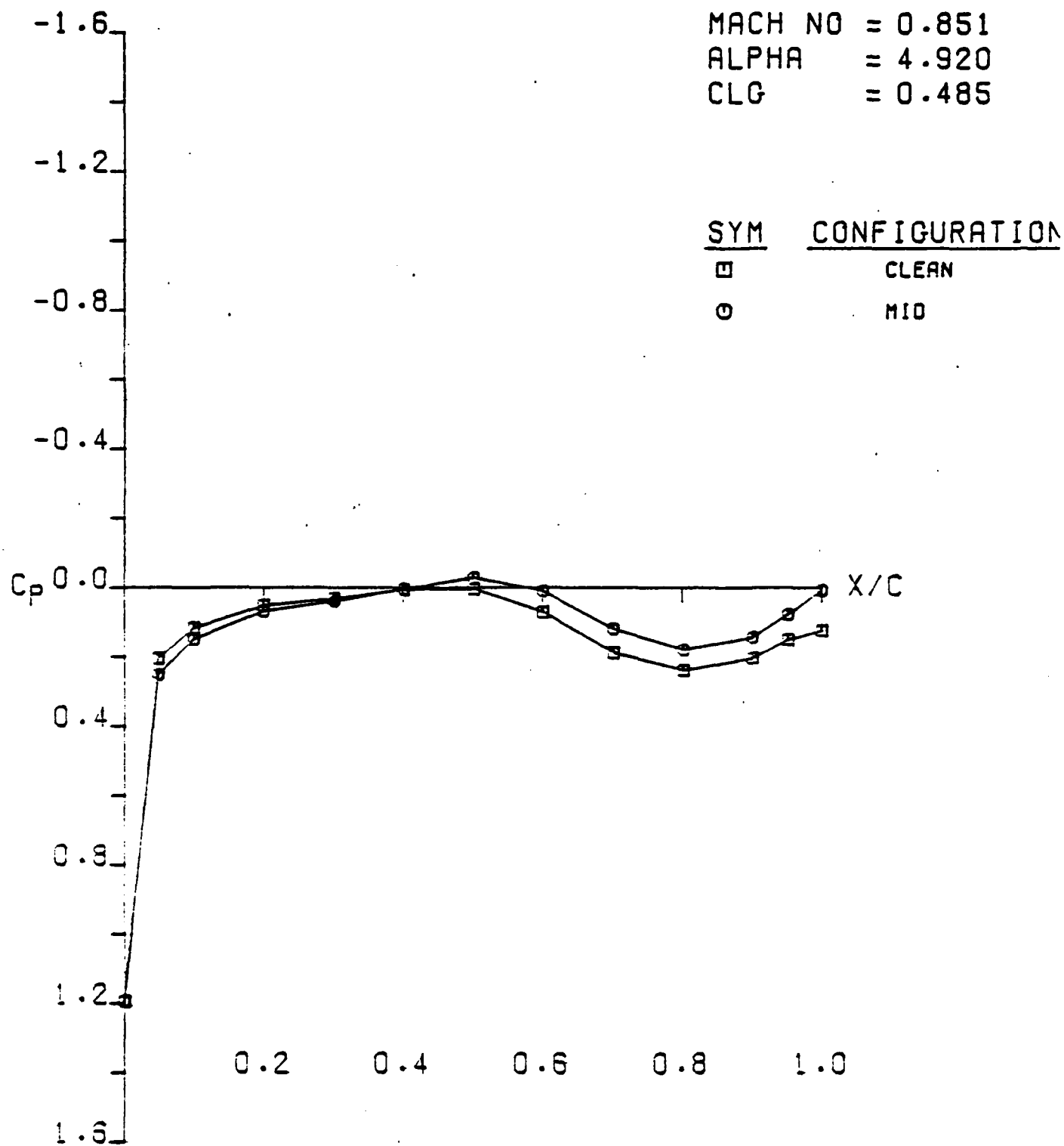
CONDITIONS

MACH NO = 0.351
ALPHA = 4.920
CL = 0.485
CD = 0.042
CM = -0.075
CLG = 0.485

LOCKHEED CFWT SEMI-SPAN TEST. RUN 37
CLN VS MID - NO SEAL (LWR SURF)
NUMERICALLY OPTIMIZED WING C

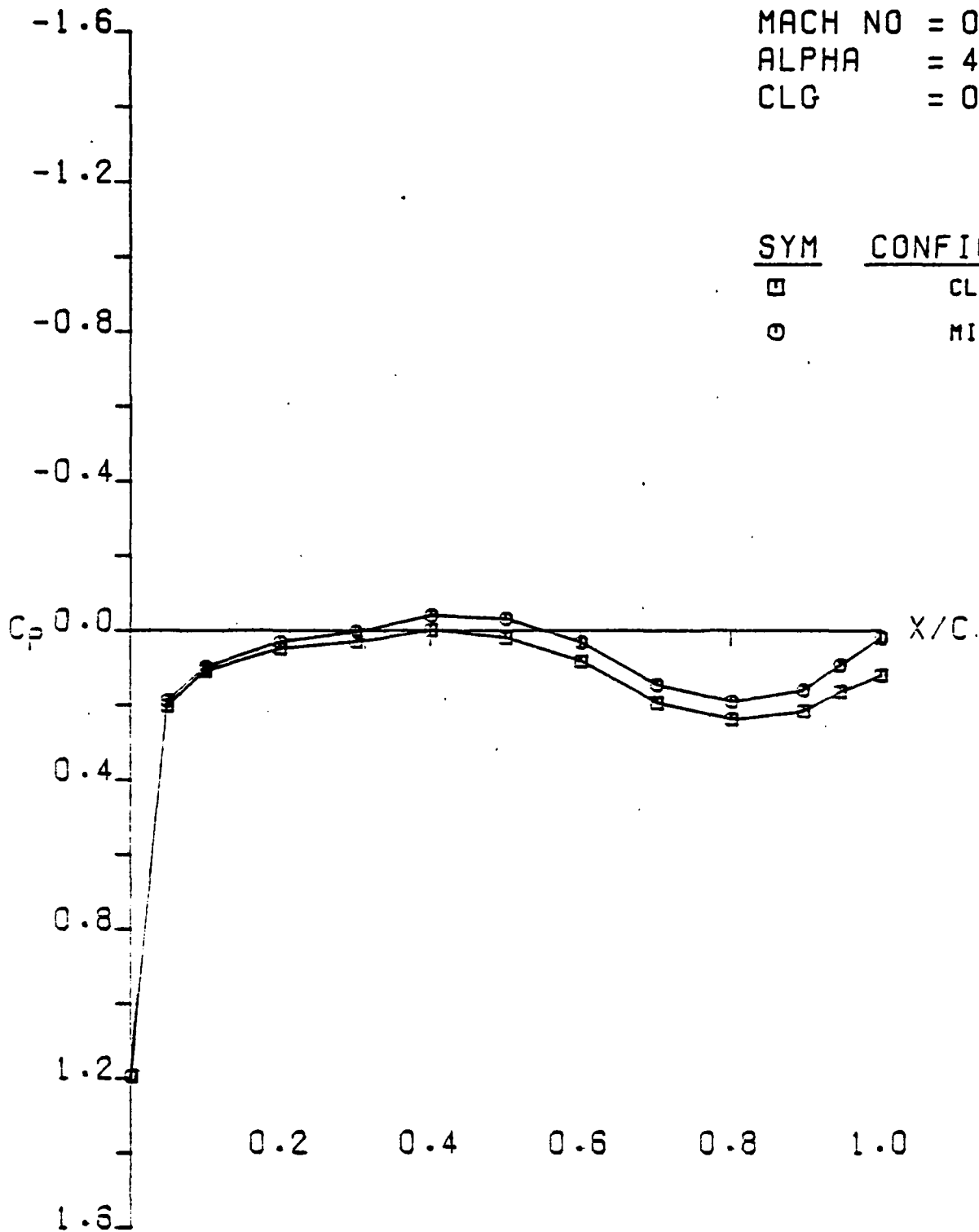


LOCKHEED CFWT SEMI-SPAN TEST, RUN 37
CLN VS MID - NO SEAL (LWR SURF ETA .10)
NUMERICALLY OPTIMIZED WING C

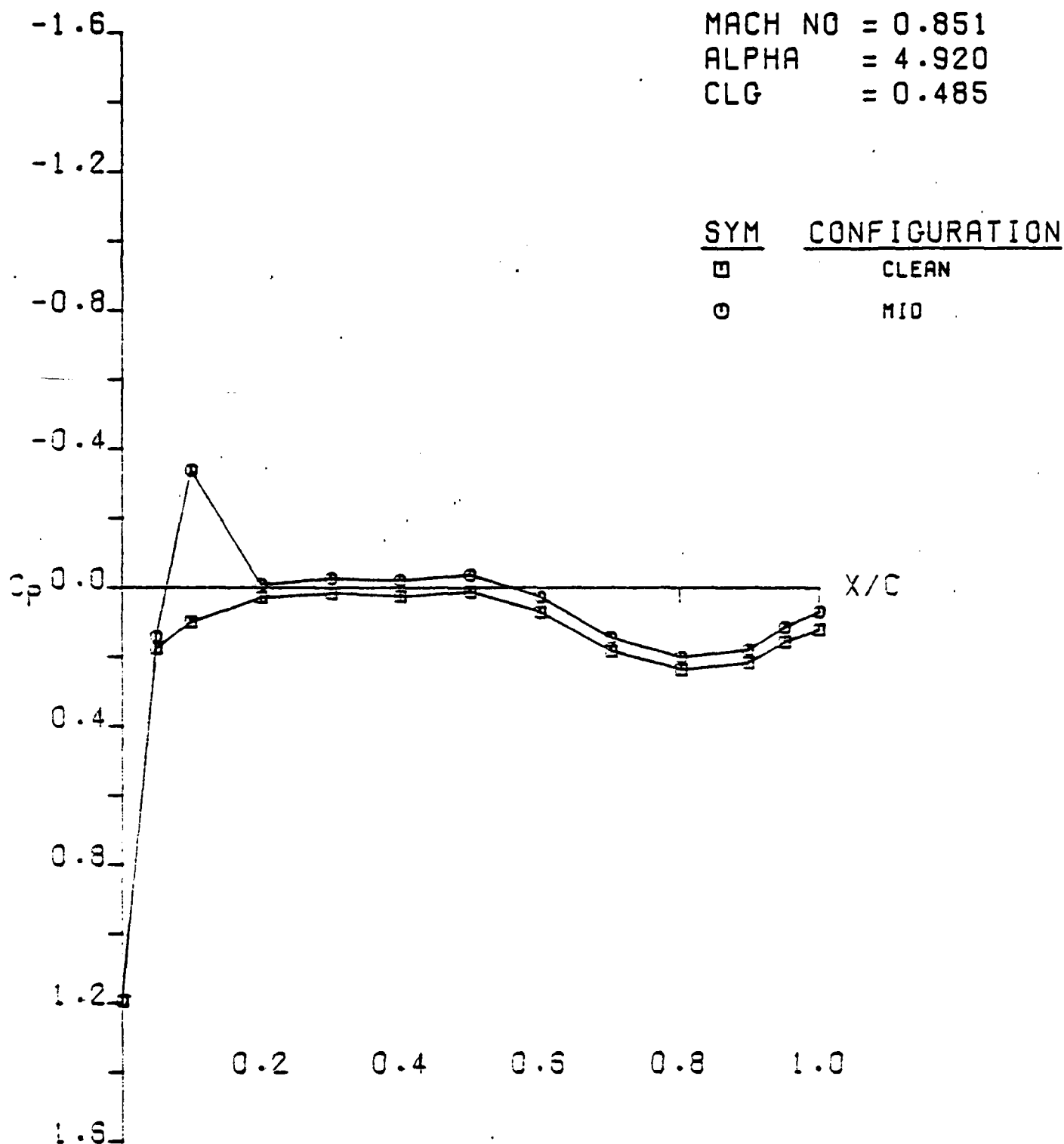


MACH NO = 0.851
 ALPHA = 4.920
 CLG = 0.485

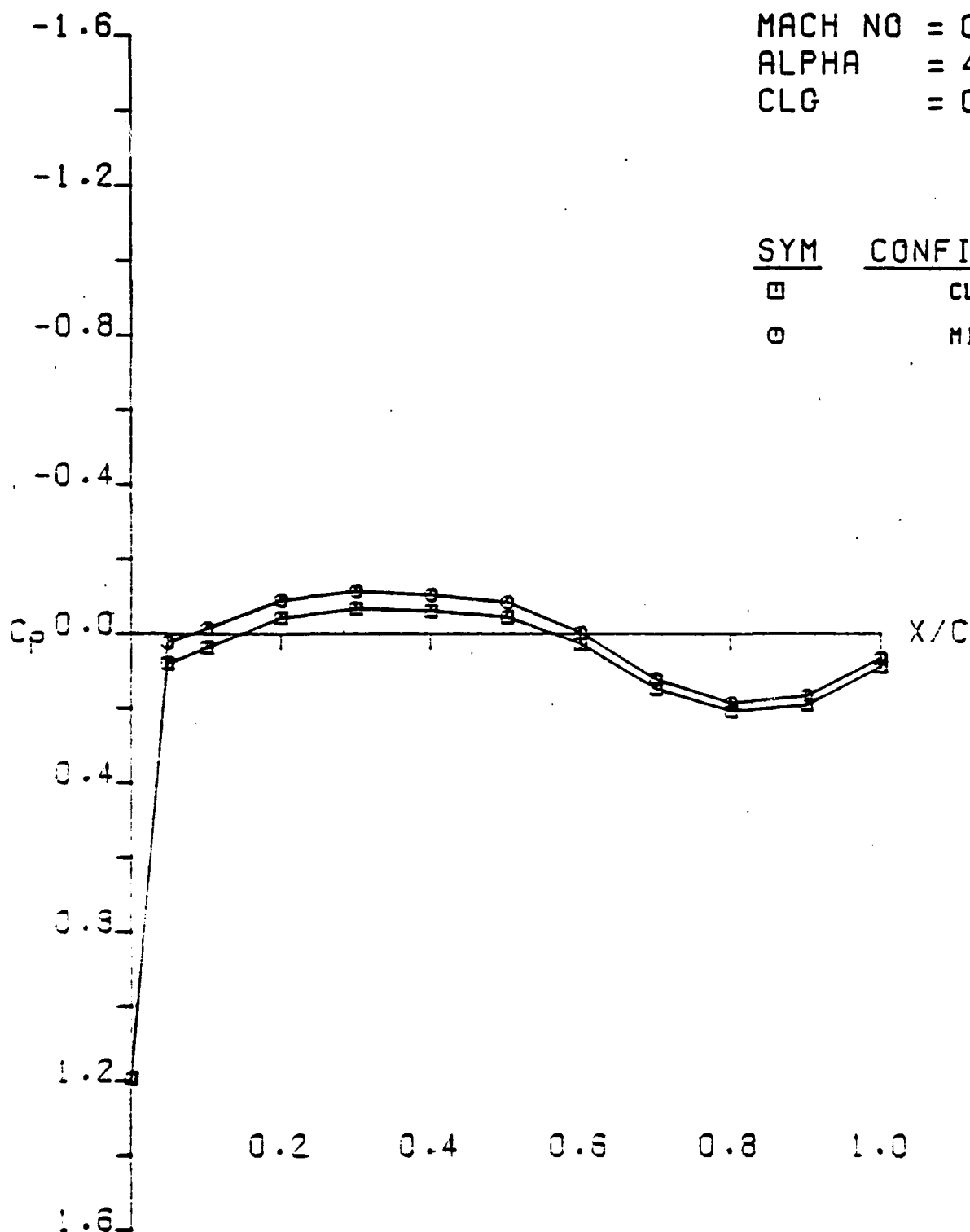
SYM	CONFIGURATION
□	CLEAN
○	MID



LOCKHEED CFWT SEMI-SPAN TEST, RUN 37
 CLN VS MID - NO SEAL (LWR SURF ETA .50)
 NUMERICALLY OPTIMIZED WING C



LOCKHEED CFWT SEMI-SPAN TEST, RUN 37
 CLN VS MID - NO SEAL (LWR SURF ETA .70)
 NUMERICALLY OPTIMIZED WING C

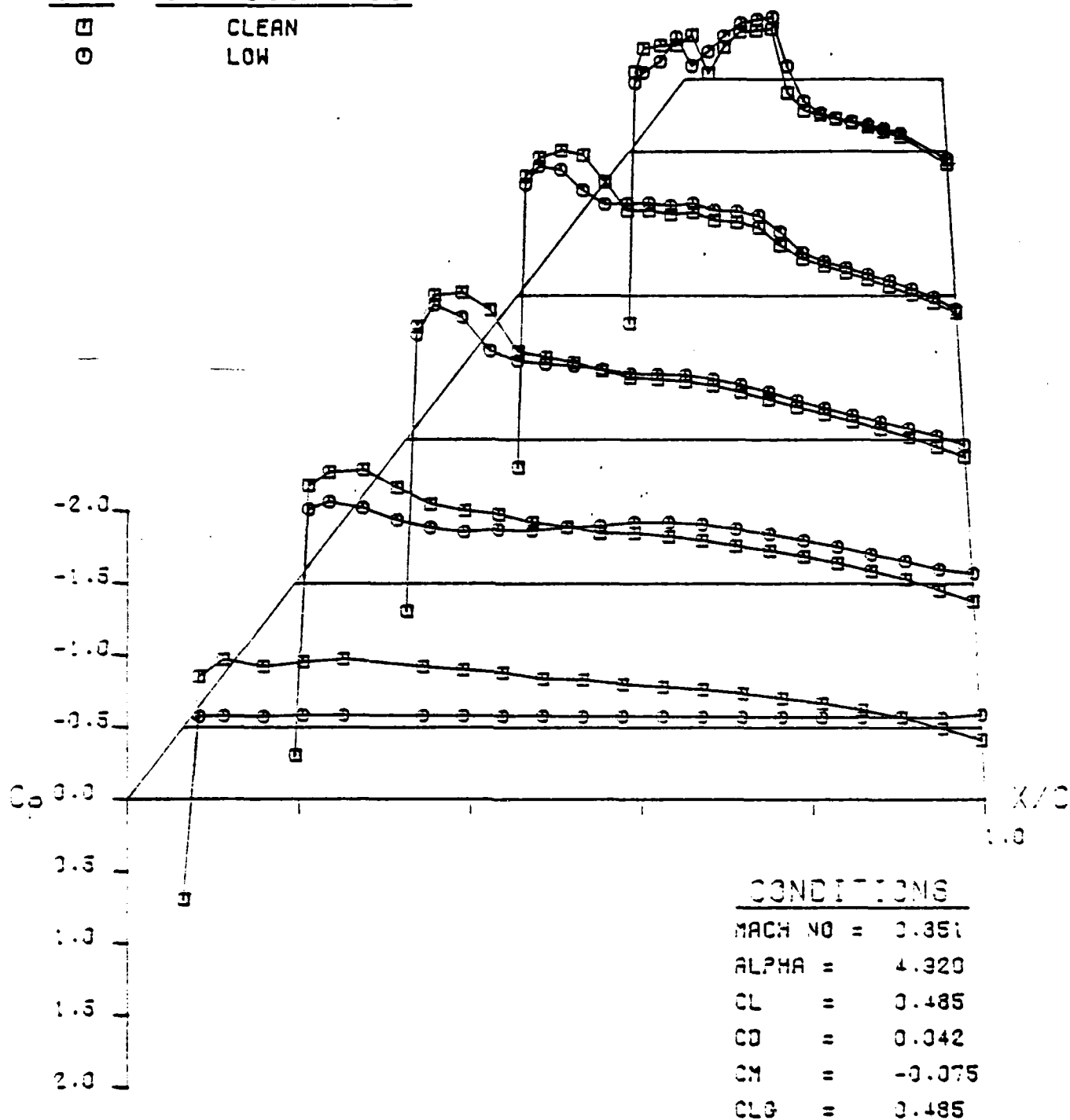


LOCKHEED CFWT SEMI-SPAN TEST, RUN 37
 CLN VS MID - NO SEAL (LWR SURF ETA .90)
 NUMERICALLY OPTIMIZED WING C

SYM CONFIGURATION

□
○

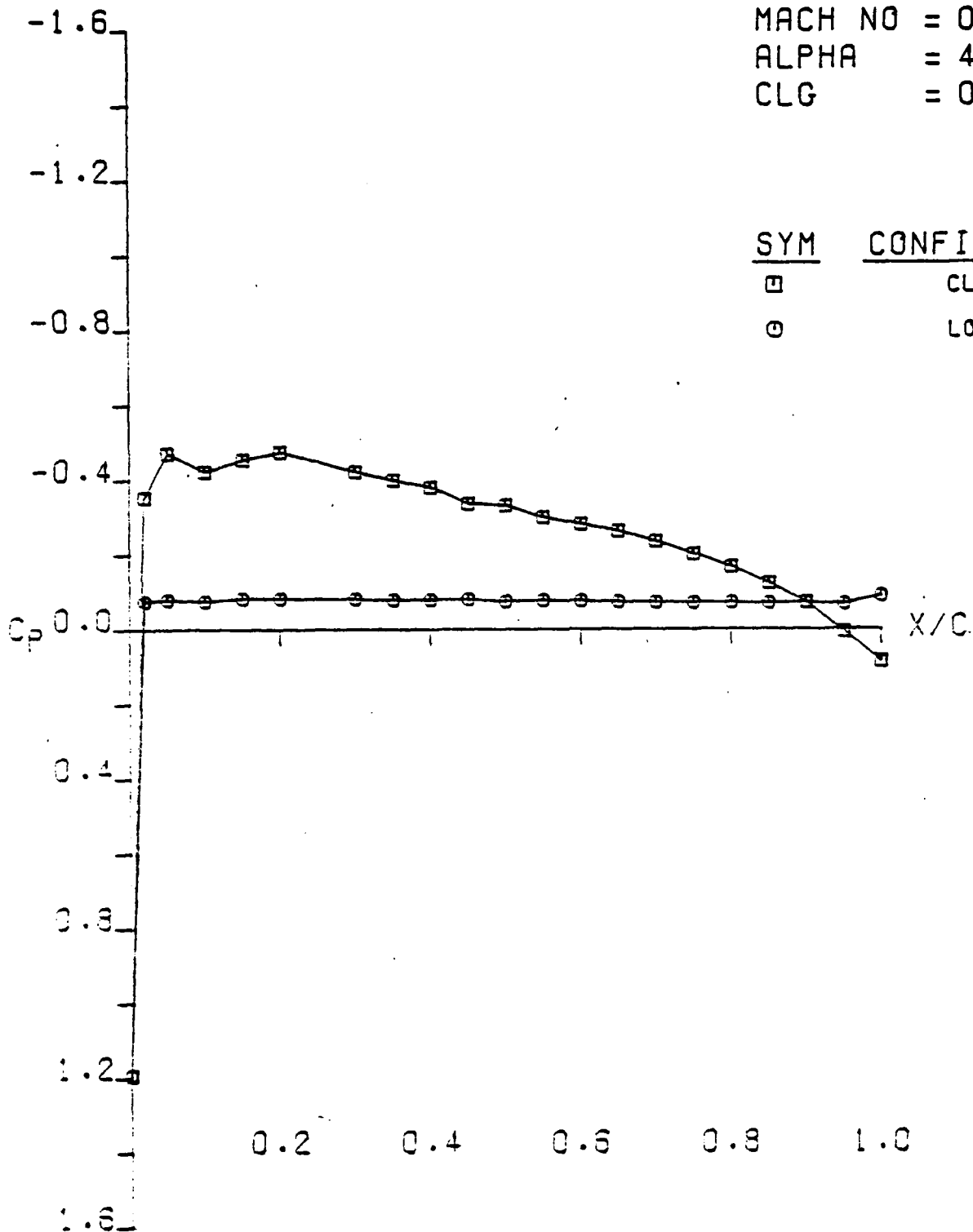
CLEAN
LOW



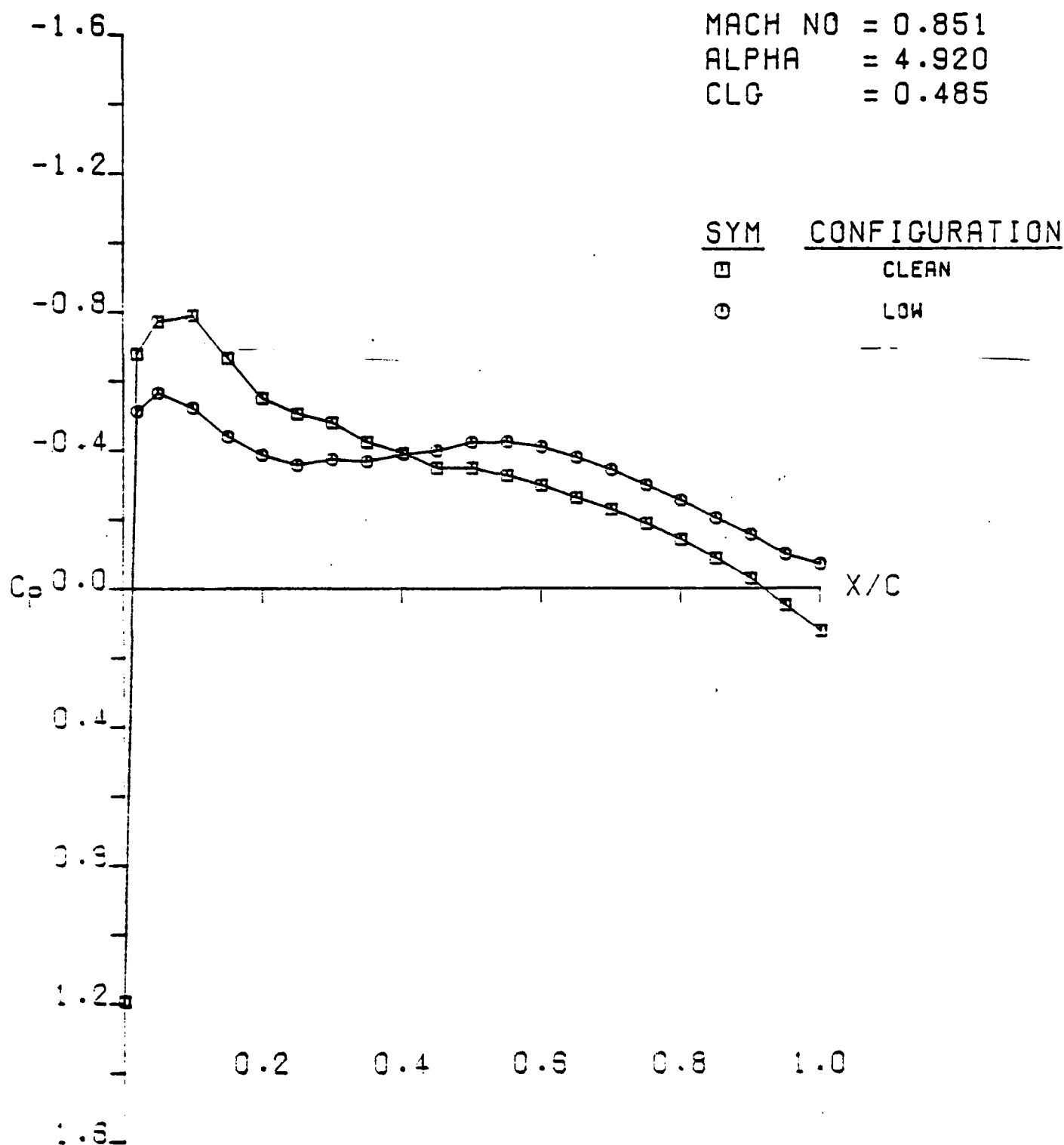
LOCKHEED CFWT SEMI-SPAN TEST, RUN 37
CLN VS LOW (UPR SURF)
NUMERICALLY OPTIMIZED WING C

MACH NO = 0.851
 ALPHA = 4.920
 CLG = 0.485

SYM	CONFIGURATION
□	CLEAN
○	LOW



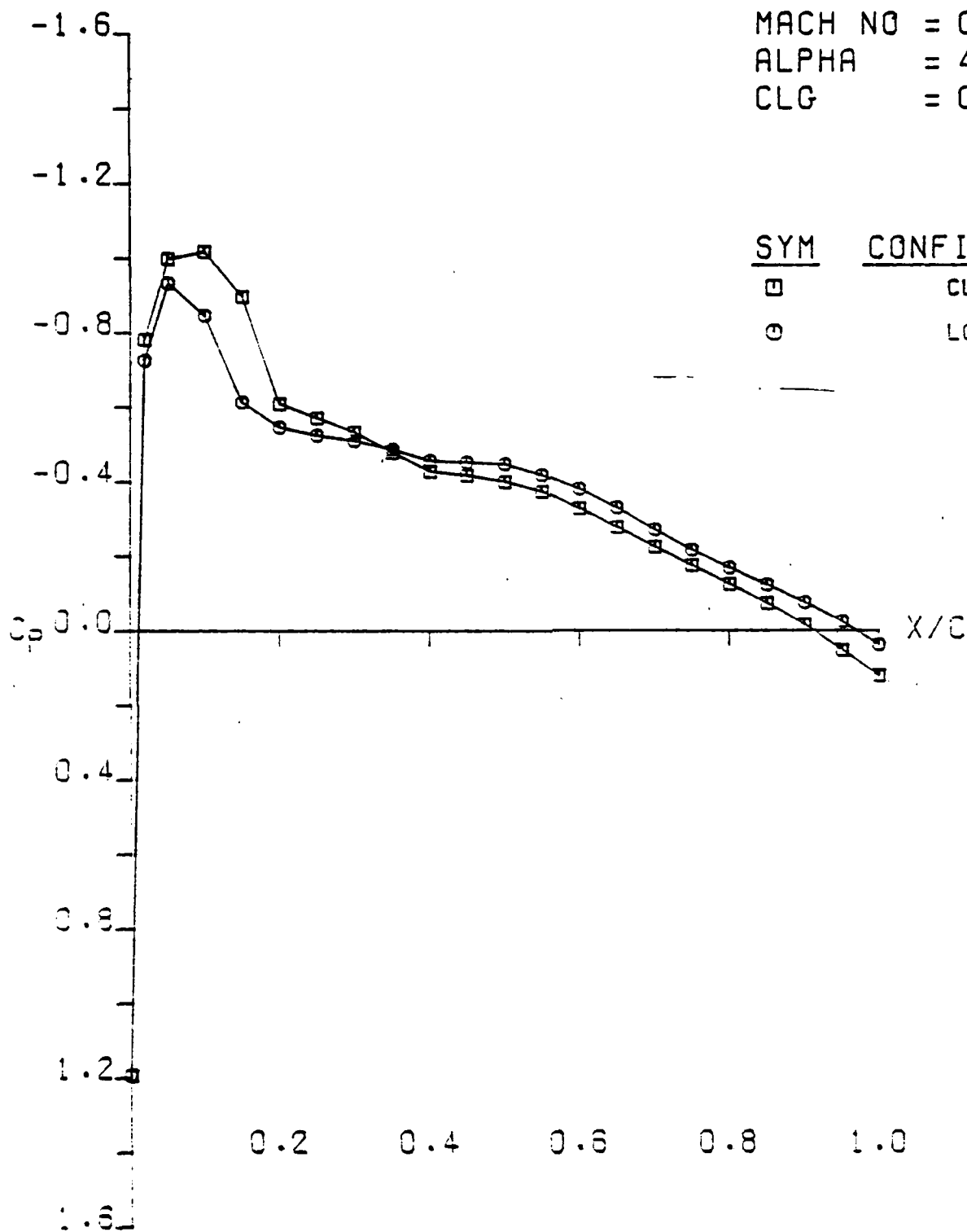
LOCKHEED CFWT SEMI-SPAN TEST, RUN 37
 CLN VS LOW (UPR SURF ETA .10)
 NUMERICALLY OPTIMIZED WING C



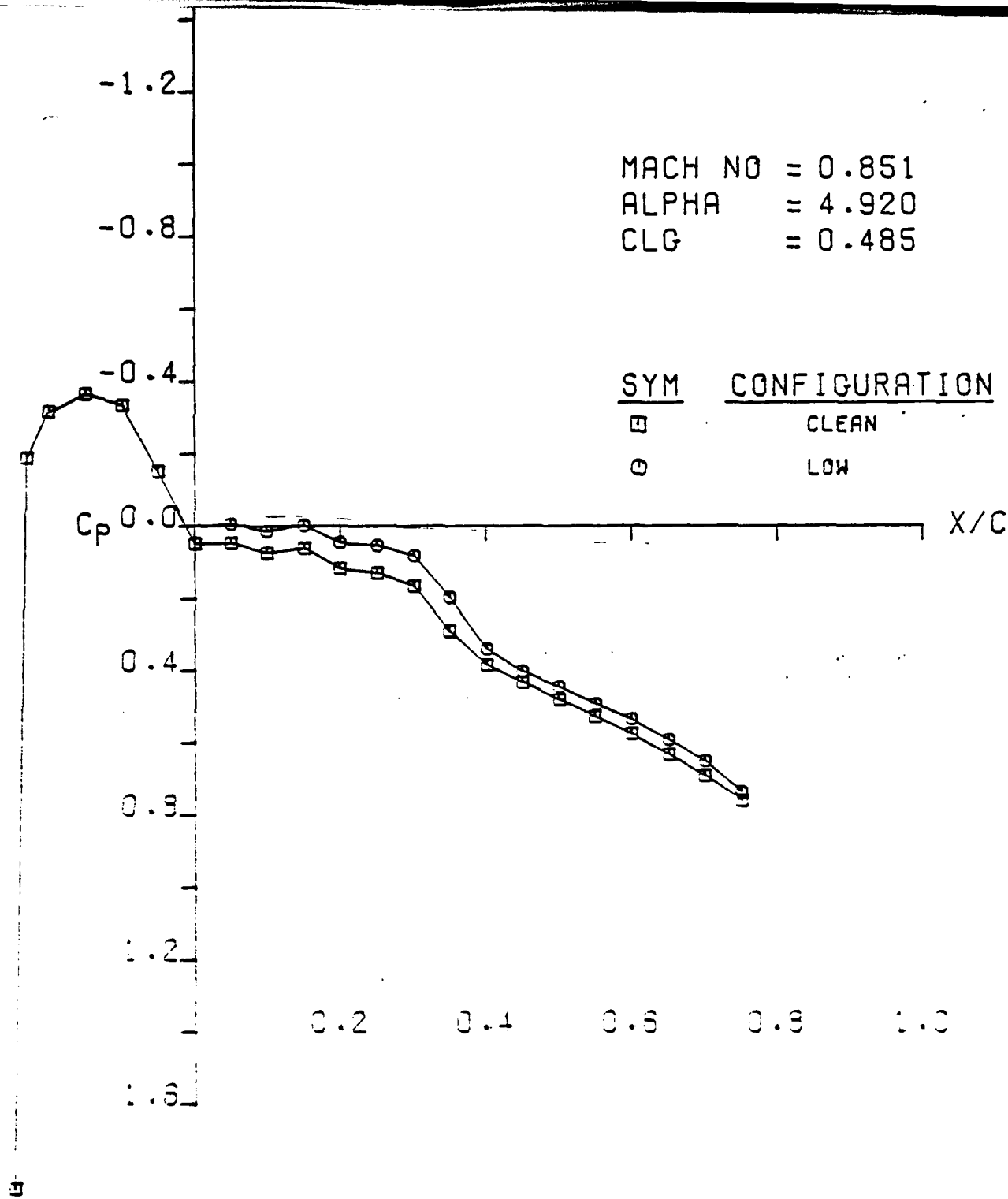
LOCKHEED CFWT SEMI-SPAN TEST, RUN 37
 CLN VS LOW (UPR SURF ETA .30)
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.851
 ALPHA = 4.920
 CLG = 0.485

SYM	CONFIGURATION
□	CLEAN
○	LOW



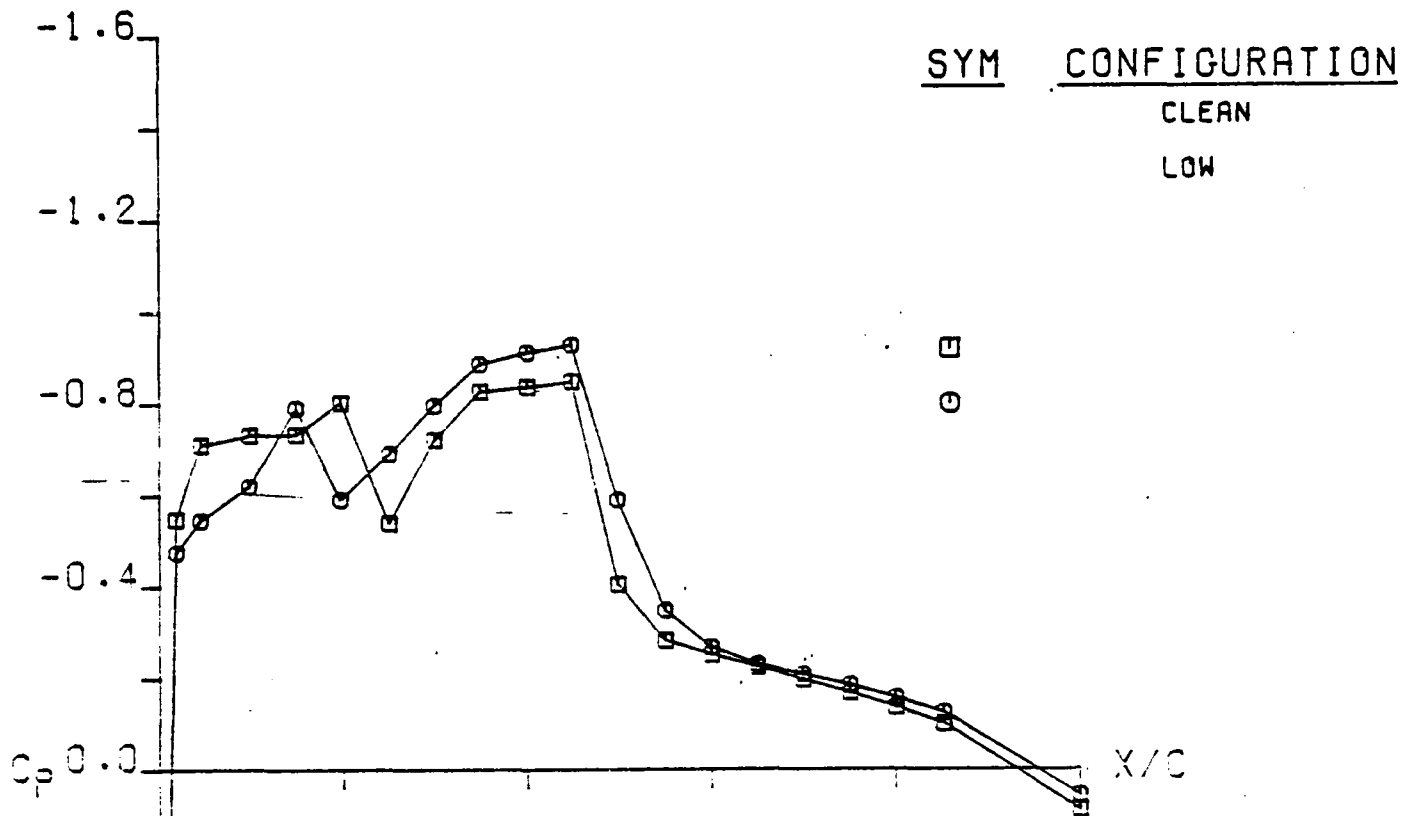
LOCKHEED CFWT SEMI-SPAN TEST, RUN 37
 CLN VS LOW (UPR SURF ETA .50)
 NUMERICALLY OPTIMIZED WING C



BOEING CFMT SEMI-SPAN TEST, RUN 37
 CLN VS LOW (UPR SURF ETA .70)
 NUMERICALLY OPTIMIZED WING C

CLG

= 0.485



1.2 LOCKHEED CFWT SEMI-SPAN TEST, RUN 37
CLN VS LOW (UPR SURF ETA .90)
NUMERICALLY OPTIMIZED WING 1.0

1.6

AD-A085 259

LOCKHEED-GEORGIA CO MARIETTA

F/G 20/4

ACQUISITION AND APPLICATION OF TRANSONIC WING AND FAR-FIELD TES--ETC(U)

MAR 80 B L HINSON, K P BURDGES

F49620-78-C-0068

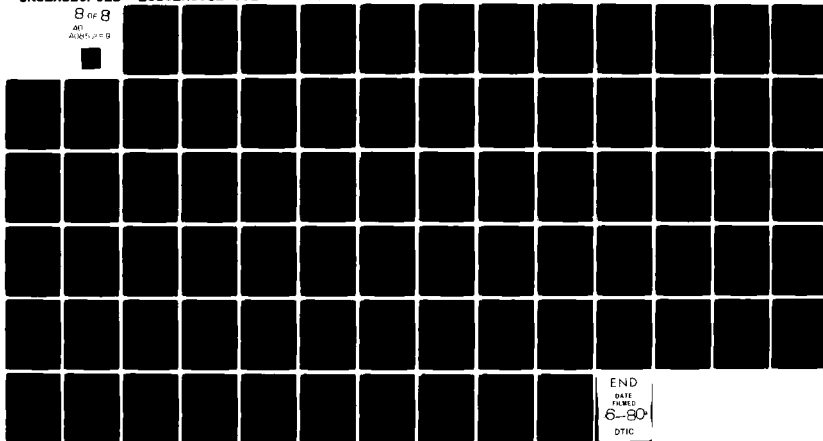
UNCLASSIFIED

L680ER0012-VOL-2

AFOSR-TR-80-0422-VOL-2-APP NL

8 of 8

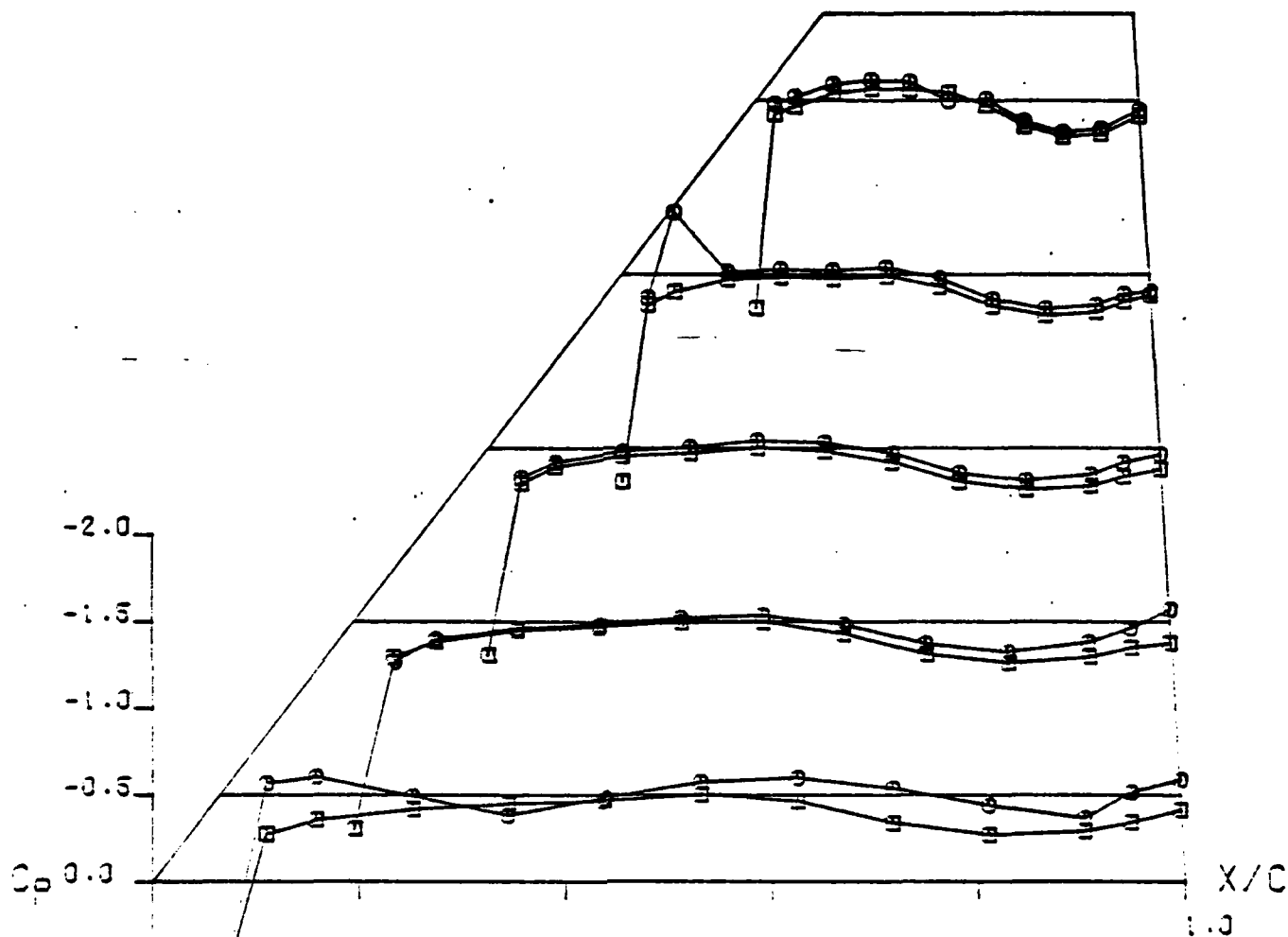
AD
ALERT-1-1-1



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DATE
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6-80
DTIC

SYM CONFIGURATION

□ CLEAN
○ LOW



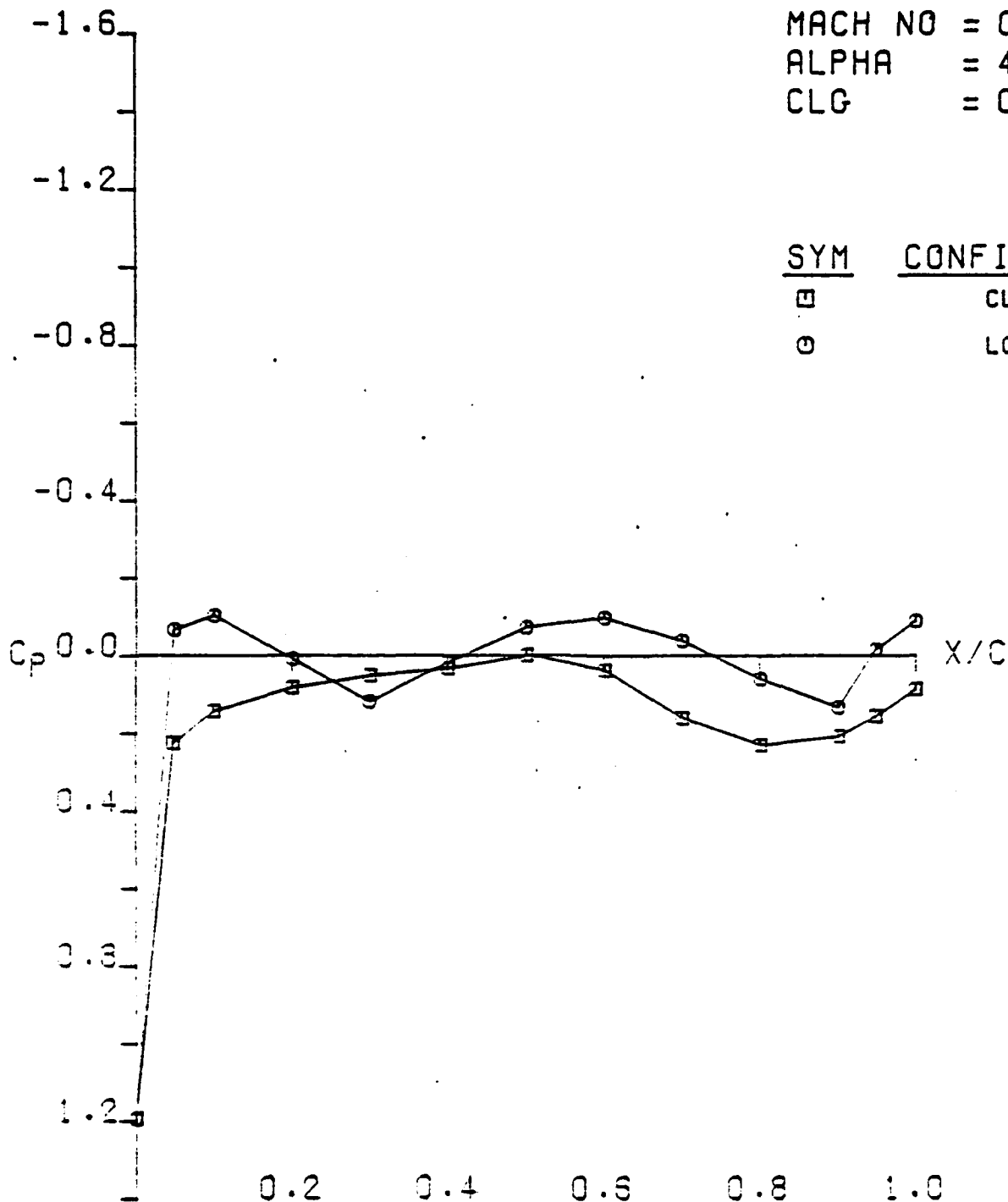
CONDITIONS

MACH NO = 0.351
ALPHA = 4.320
CL = 0.485
CD = 0.042
CM = -0.075
CLG = 0.485

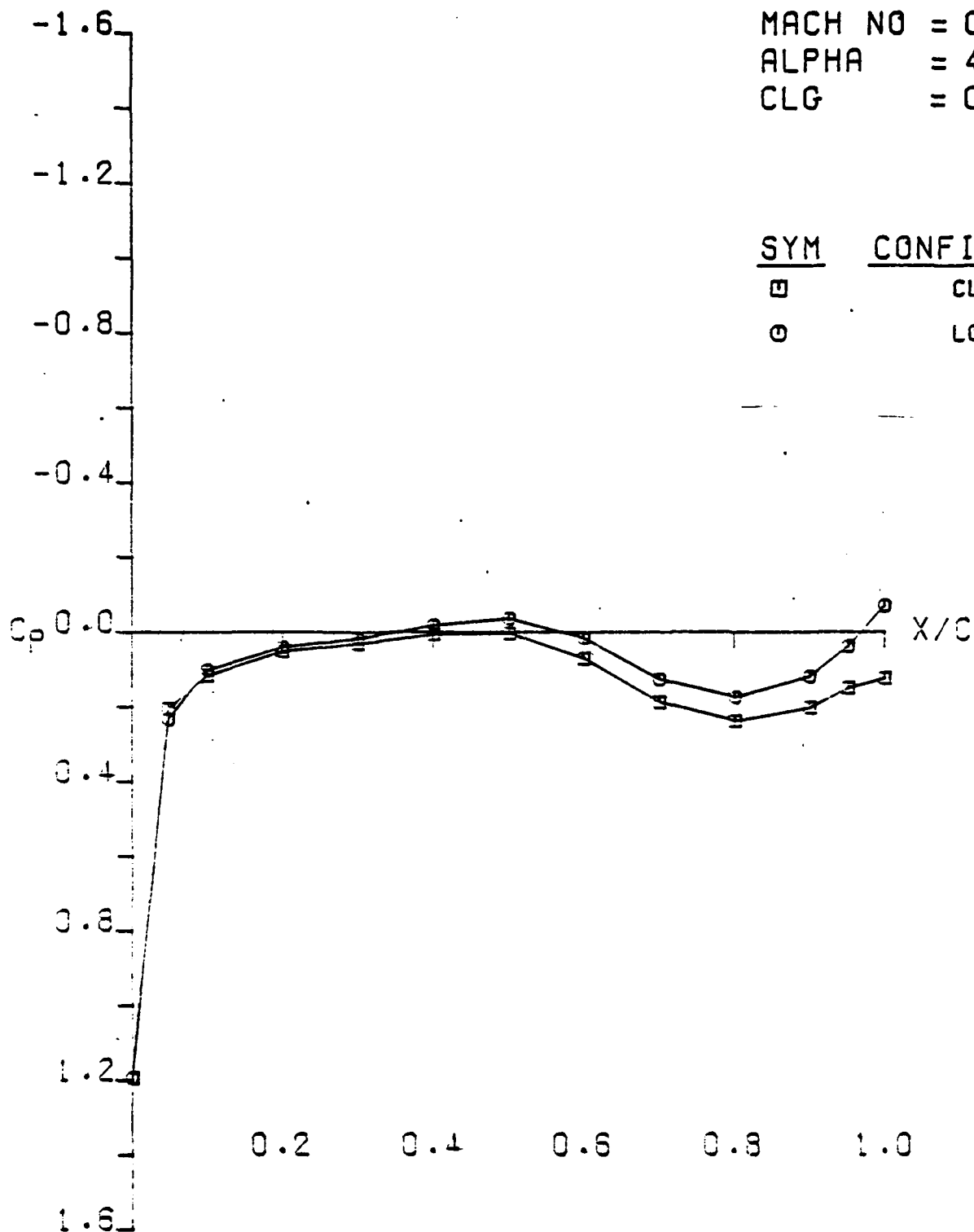
LOCKHEED CFWT SEMI-SPAN TEST, RUN 37
CLN VS LOW (LWR SURF)
NUMERICALLY OPTIMIZED WING C

MACH NO = 0.851
 ALPHA = 4.920
 CLG = 0.485

SYM	CONFIGURATION
□	CLEAN
○	LOW



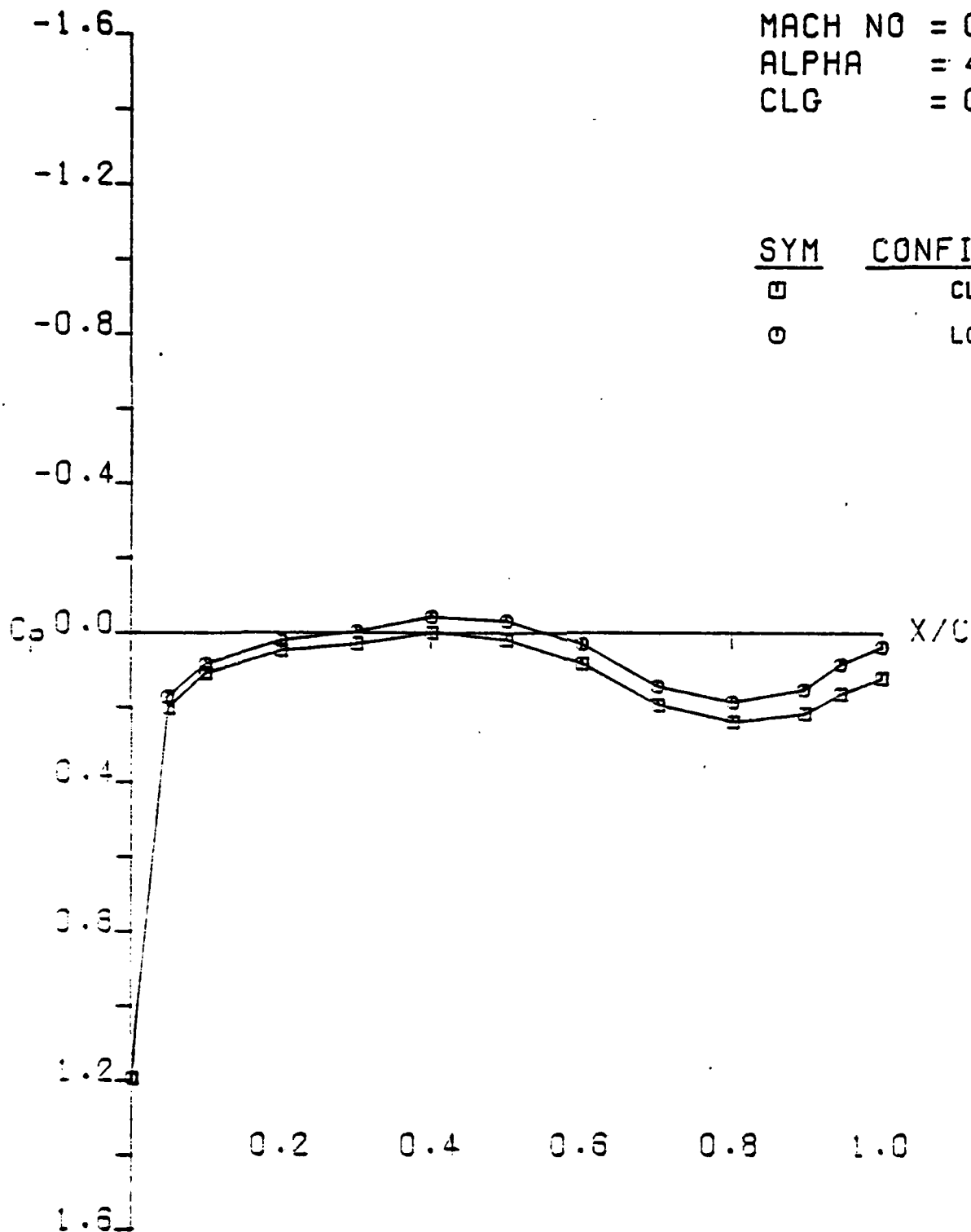
LOCKHEED CFWT SEMI-SPAN TEST, RUN 37
 CLN VS LOW (LWR SURF ETA .10)
 NUMERICALLY OPTIMIZED WING C



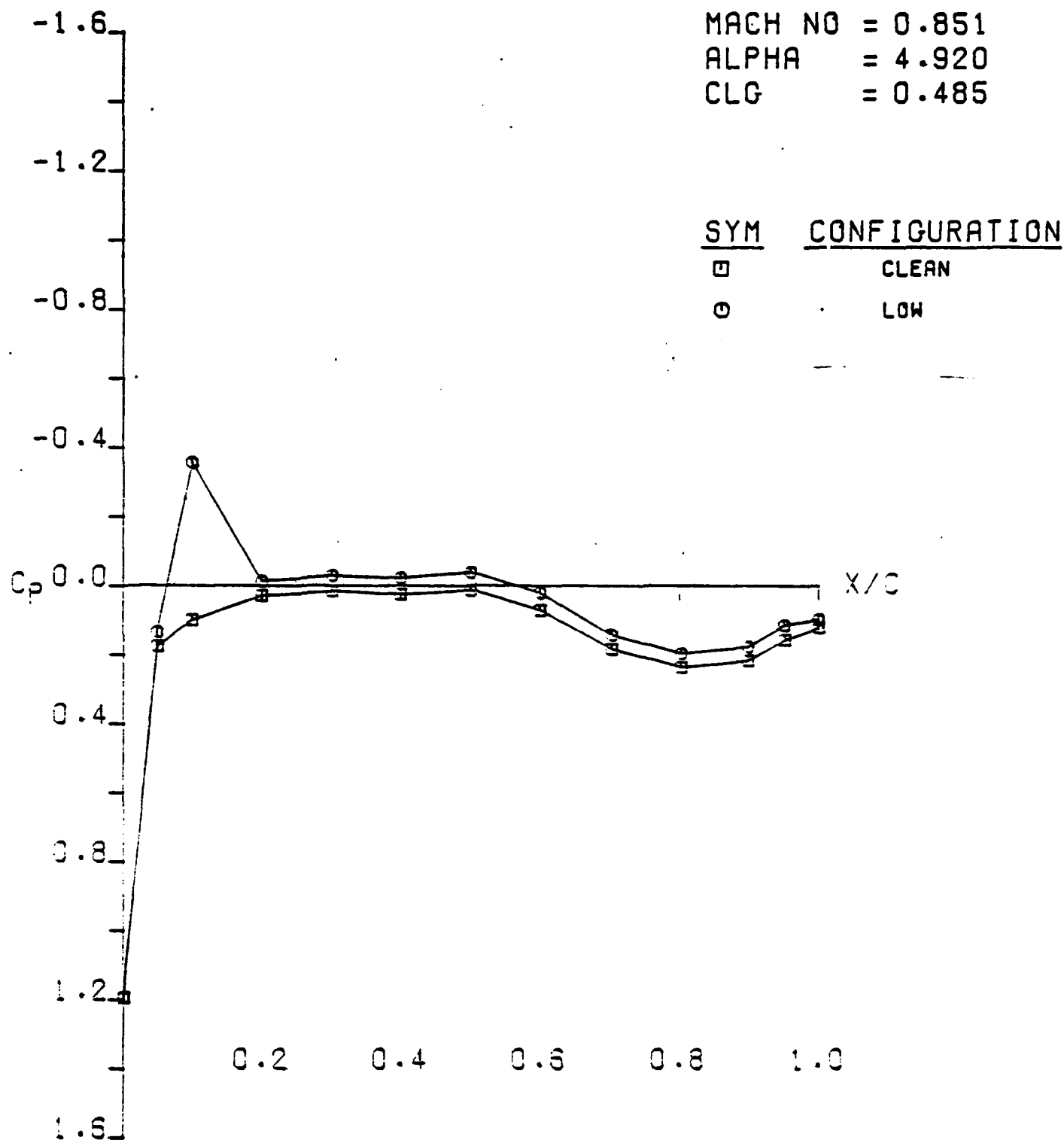
LOCKHEED CFWT SEMI-SPAN TEST, RUN 37
CLN VS LOW (LWR SURF ETA .30)
NUMERICALLY OPTIMIZED WING C

MACH NO = 0.851
 ALPHA = 4.920
 CLG = 0.485

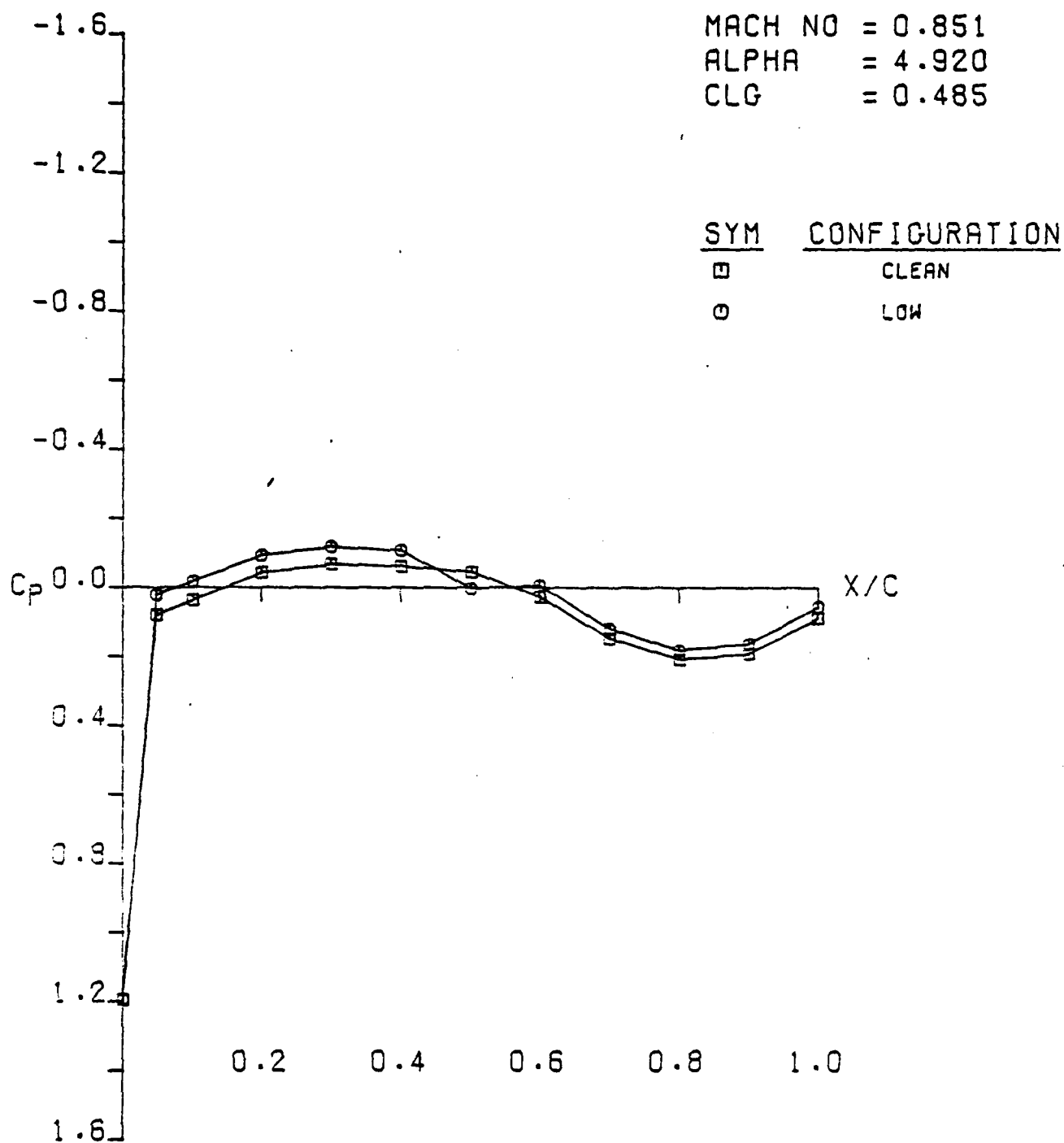
SYM	CONFIGURATION
□	CLEAN
○	LOW



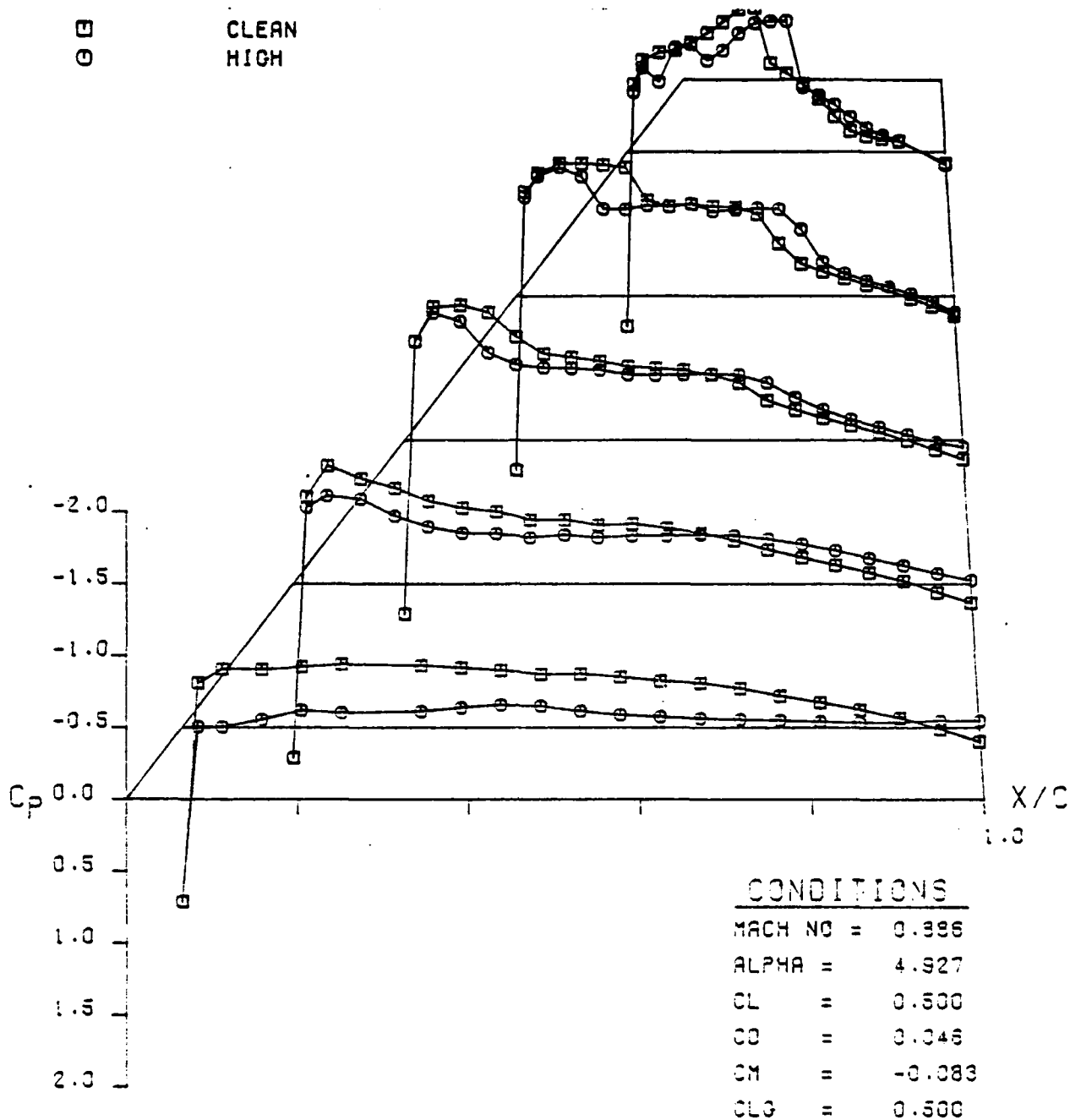
LOCKHEED CFWT SEMI-SPAN TEST, RUN 37
 CLN VS LOW (LWR SURF ETA .50)
 NUMERICALLY OPTIMIZED WING C



LOCKHEED CFWT SEMI-SPAN TEST, RUN 37
CLN VS LOW (LWR SURF ETA .70)
NUMERICALLY OPTIMIZED WING C

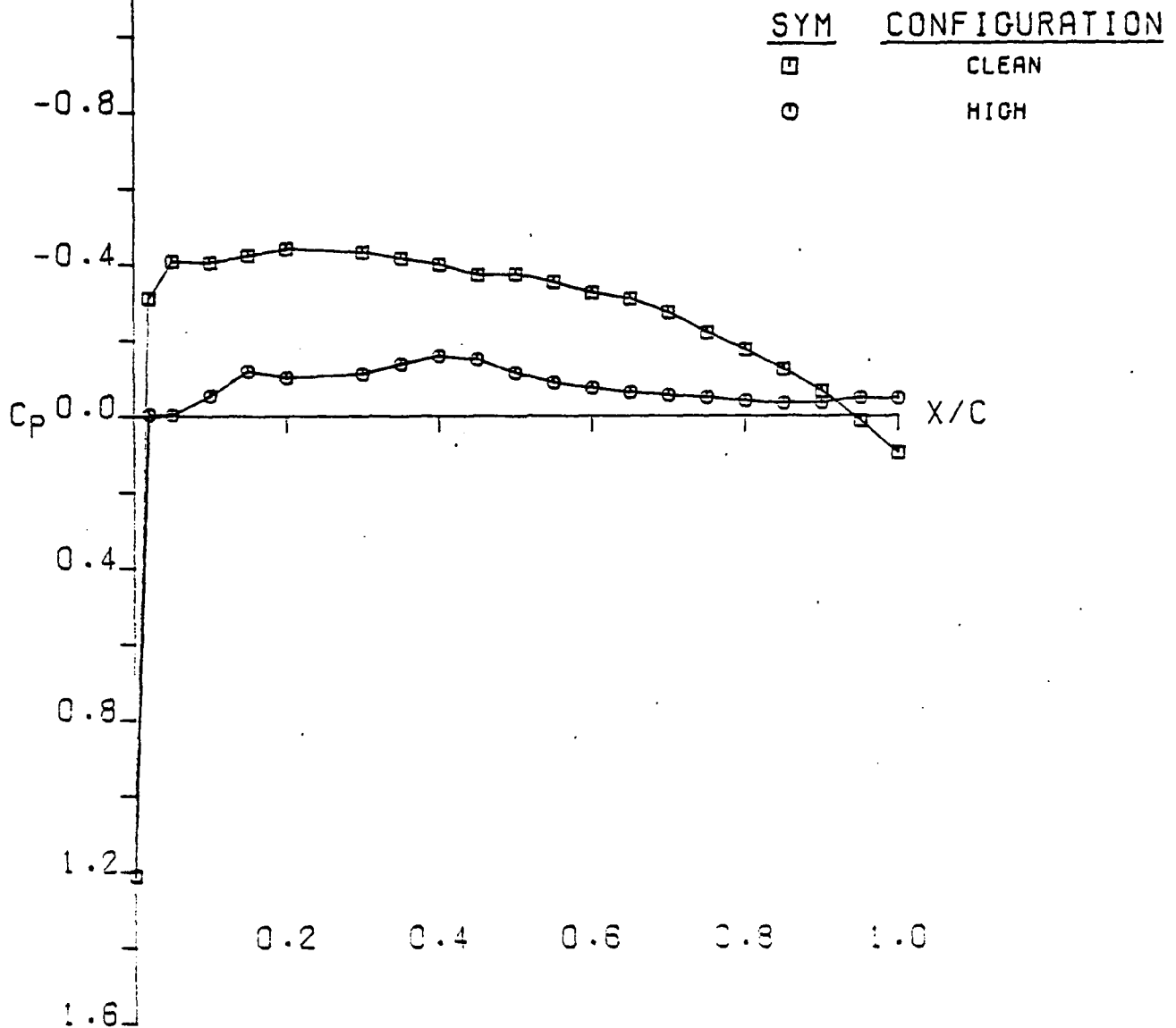


LOCKHEED CFWT SEMI-SPAN TEST, RUN 37
CLN VS LOW (LWR SURF ETA .90)
NUMERICALLY OPTIMIZED WING C



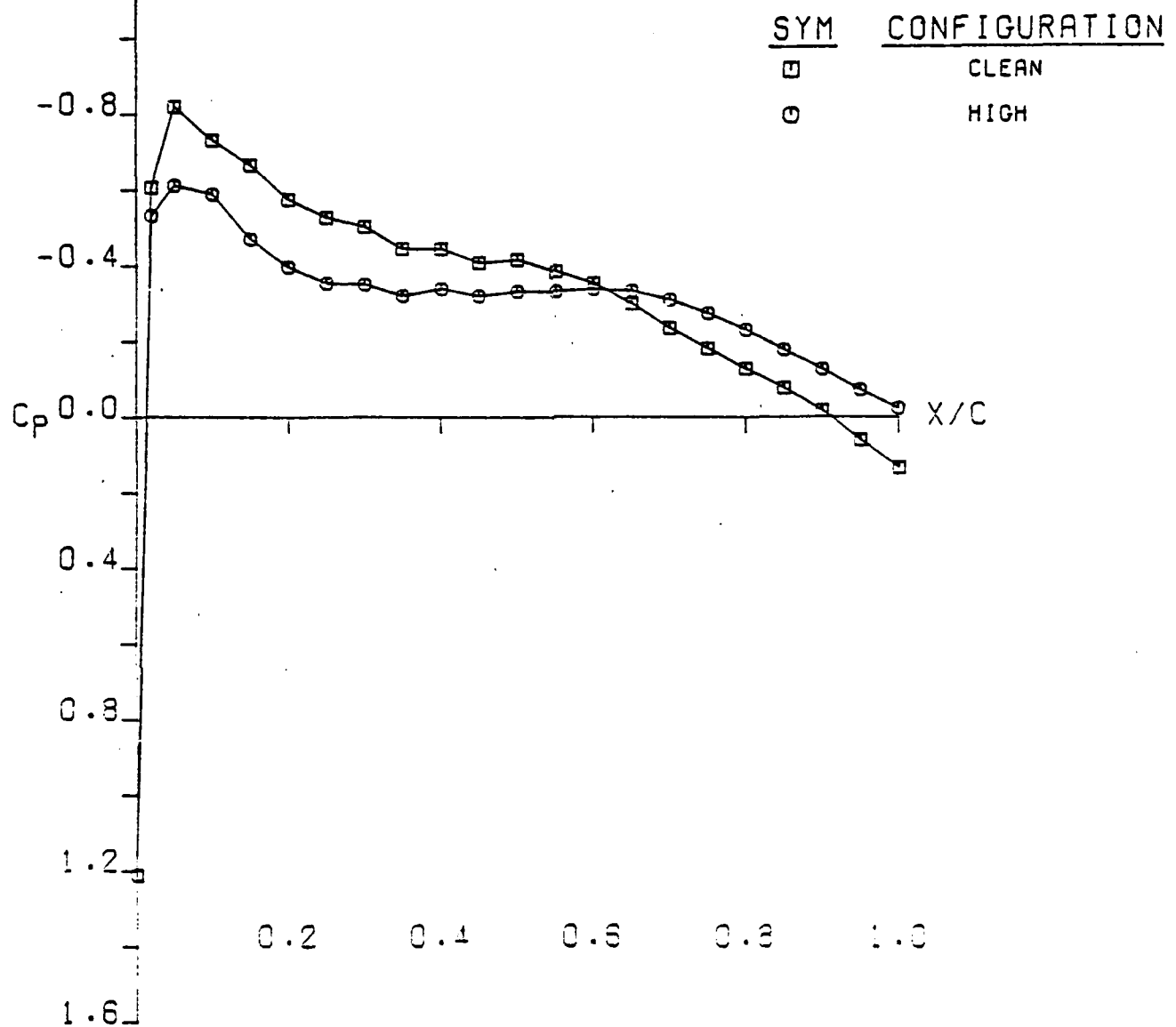
LOCKHEED CFWT SEMI-SPAN TEST, RUN 46
CLN VS HIGH (UPR SURF)
NUMERICALLY OPTIMIZED WING C

ALPHA = 4.927
CLG = 0.500



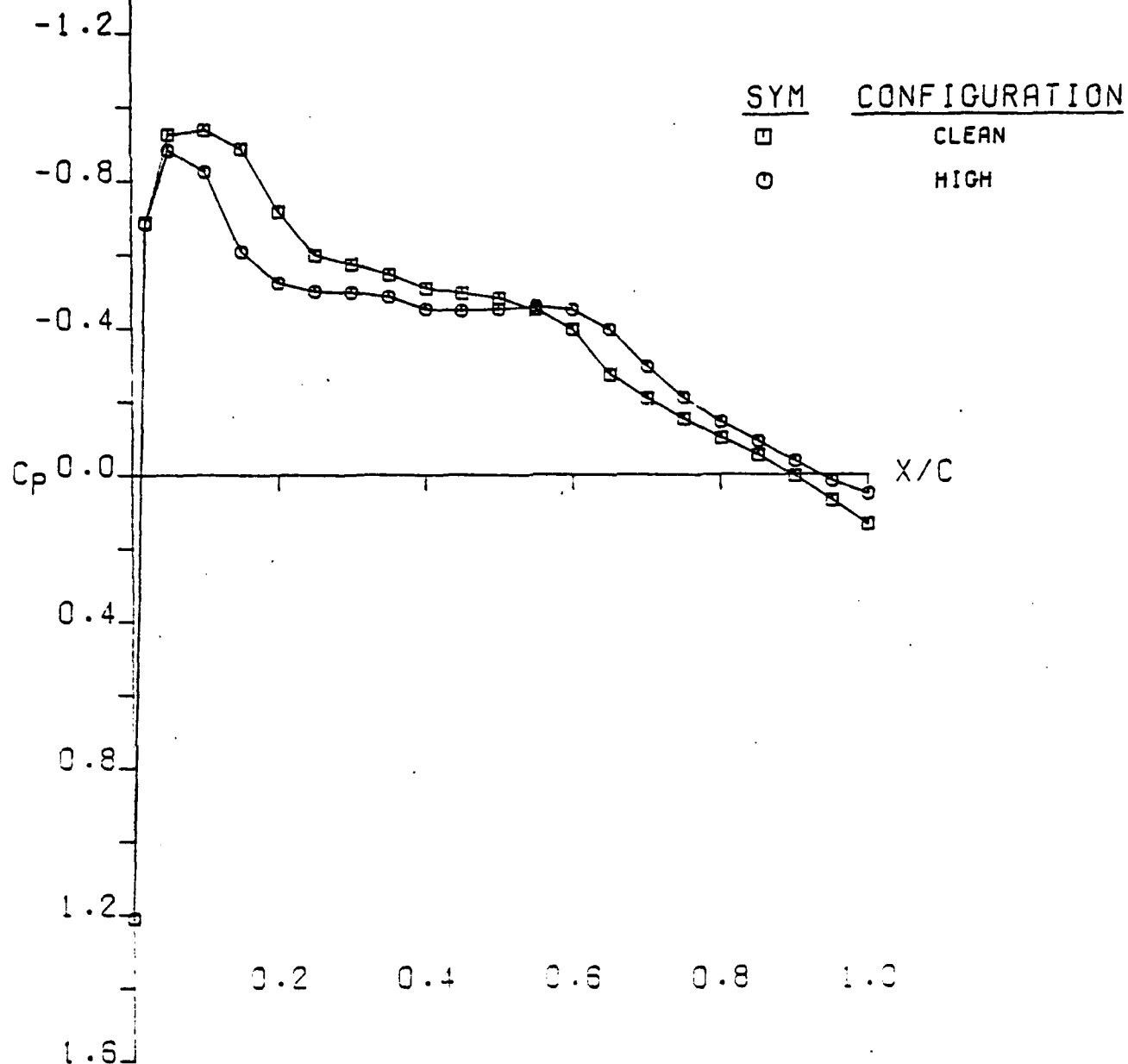
LOCKHEED CFWT SEMI-SPAN TEST, RUN 46
CLN VS HIGH (UPR SURF ETA .10)
NUMERICALLY OPTIMIZED WING C

ALPHA = 4.927
CLG = 0.500



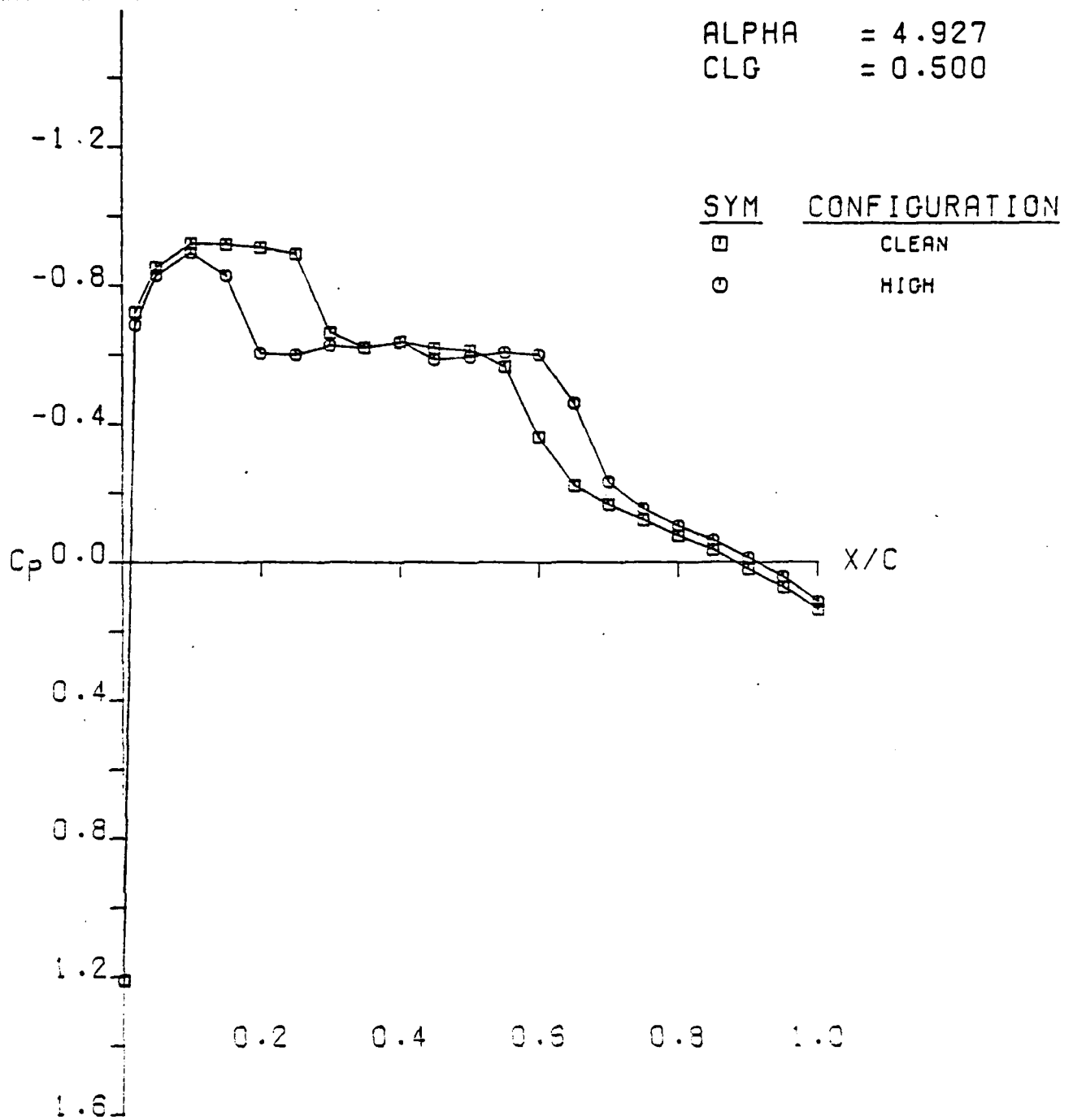
LOCKHEED CFWT SEMI-SPAN TEST, RUN 46
CLN VS HIGH (UPR SURF ETA .30)
NUMERICALLY OPTIMIZED WING C

ALPHA = 4.927
CLG = 0.500



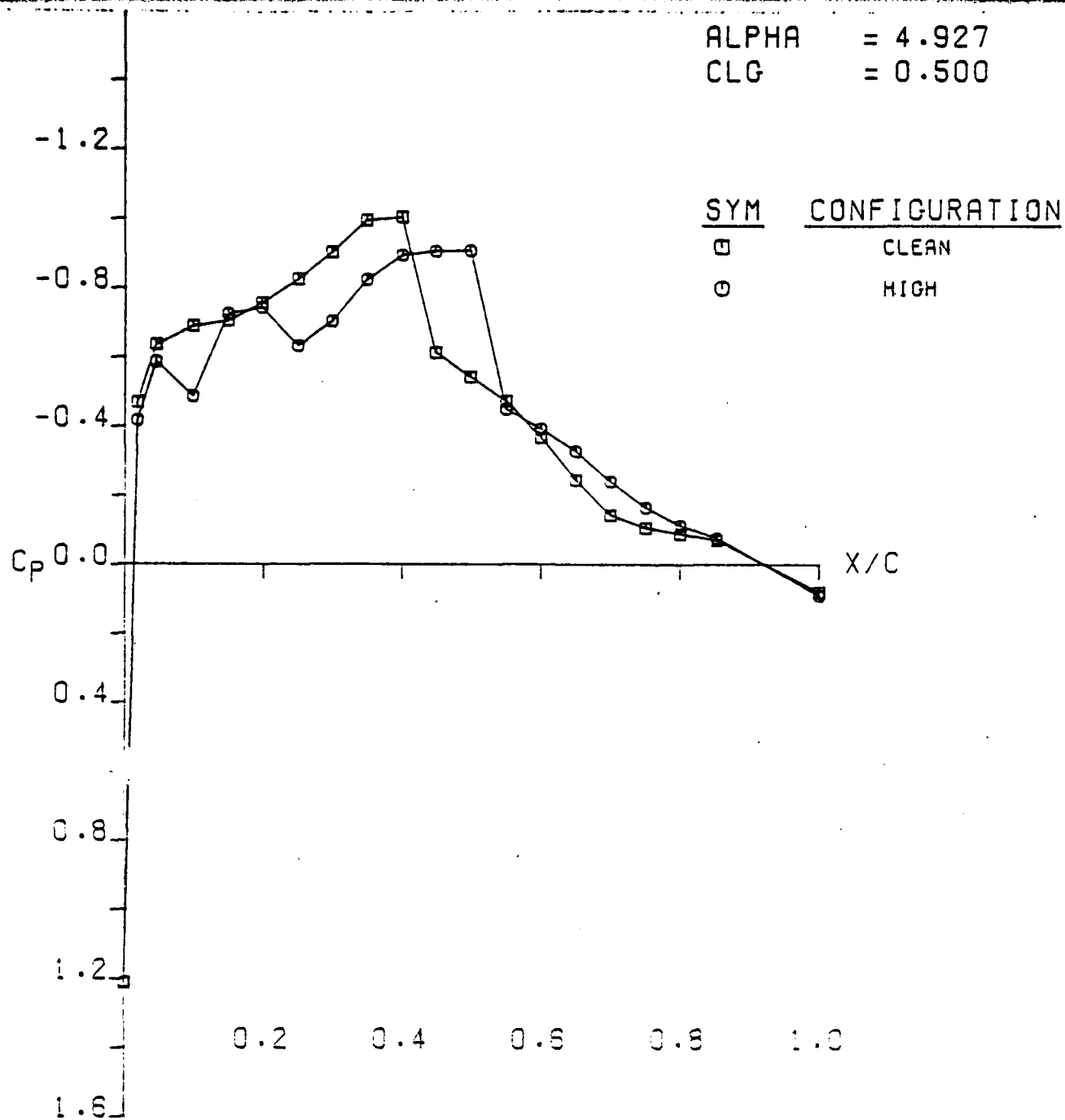
LOCKHEED CFWT SEMI-SPAN TEST, RUN 46
CLN VS HIGH (UPR SURF ETA .50)
NUMERICALLY OPTIMIZED WING C

ALPHA = 4.927
CLG = 0.500



LOCKHEED CFWT SEMI-SPAN TEST, RUN 46
CLN VS HIGH (UPR SURF ETA .70)
NUMERICALLY OPTIMIZED WING C

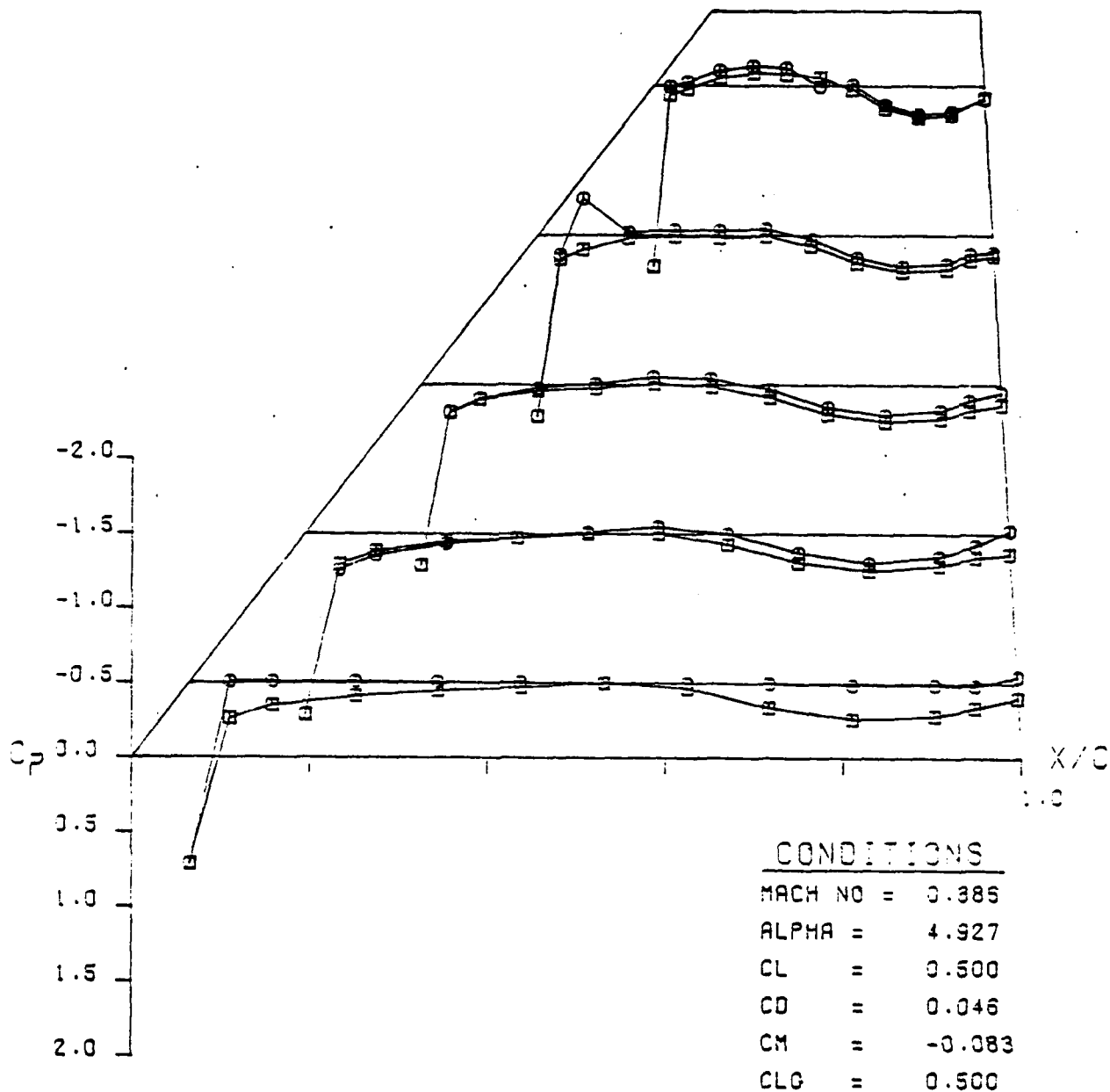
ALPHA = 4.927
CLG = 0.500



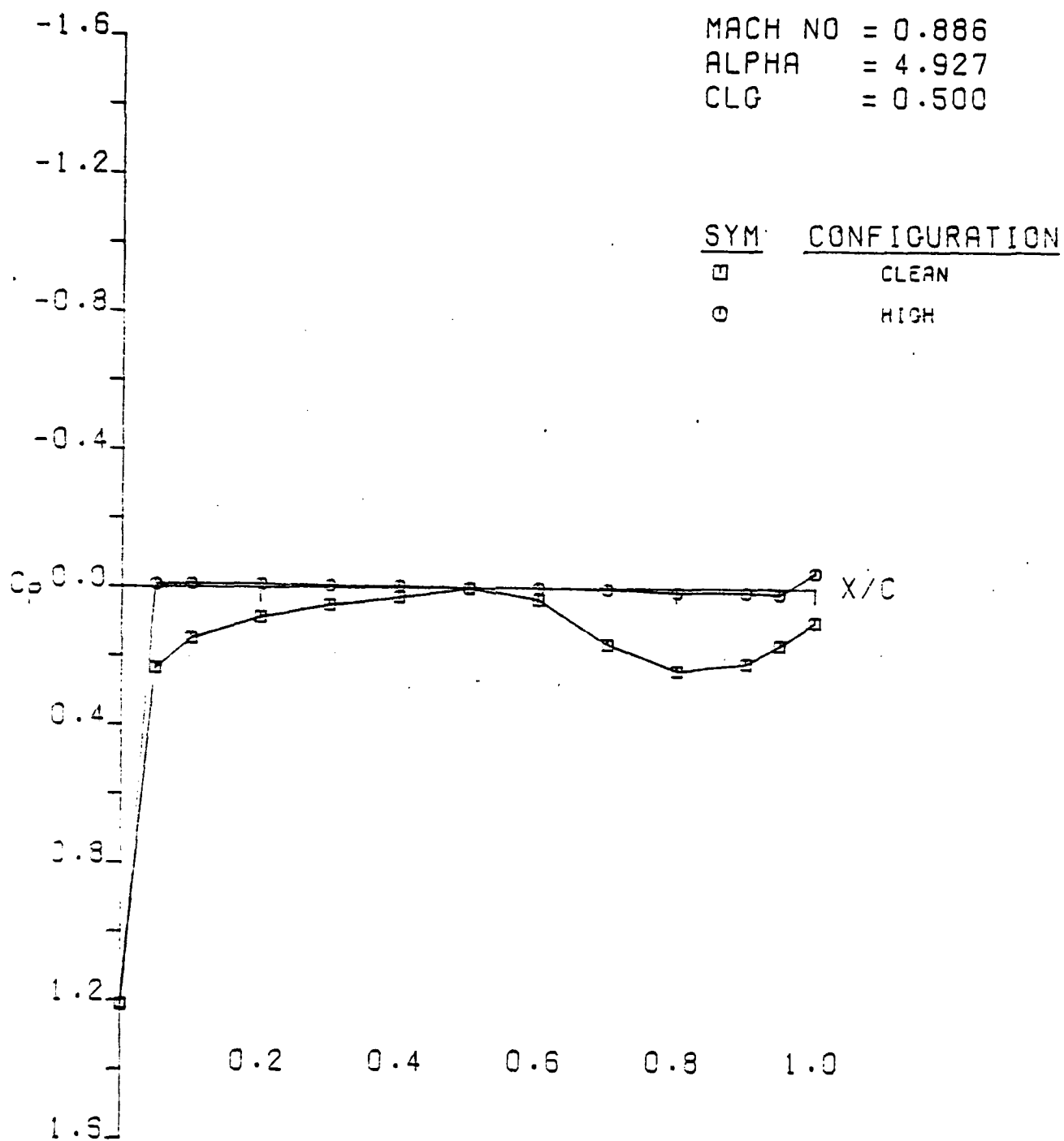
LOCKHEED CFWT SEMI-SPAN TEST, RUN 46
CLN VS HIGH (UPR SURF ETA .90)
NUMERICALLY OPTIMIZED WING C

SYM CONFIGURATION

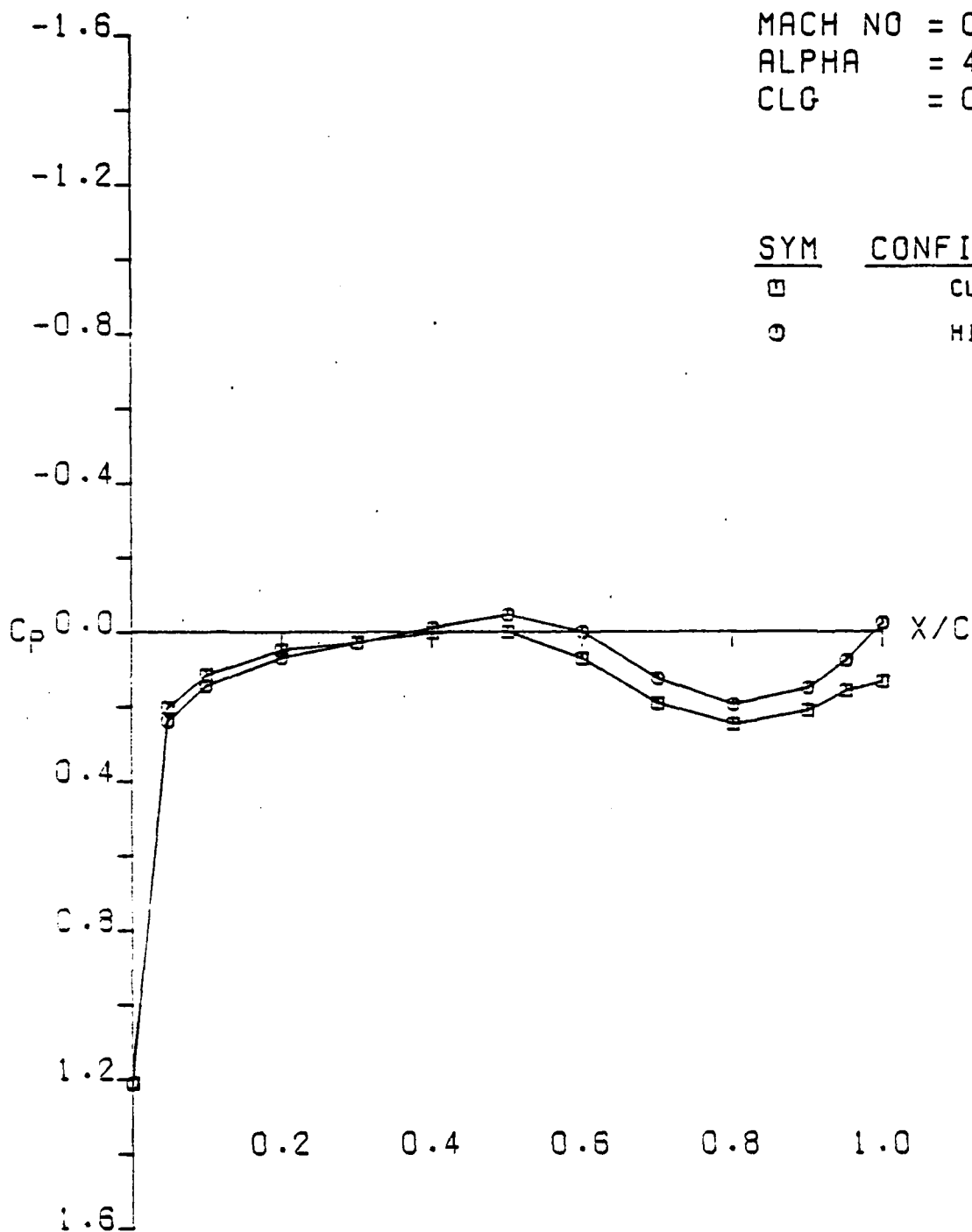
□ CLEAN
○ HIGH



LOCKHEED CFWT SEMI-SPAN TEST, RUN 46
CLN VS HIGH (LWR SURF)
NUMERICALLY OPTIMIZED WING C



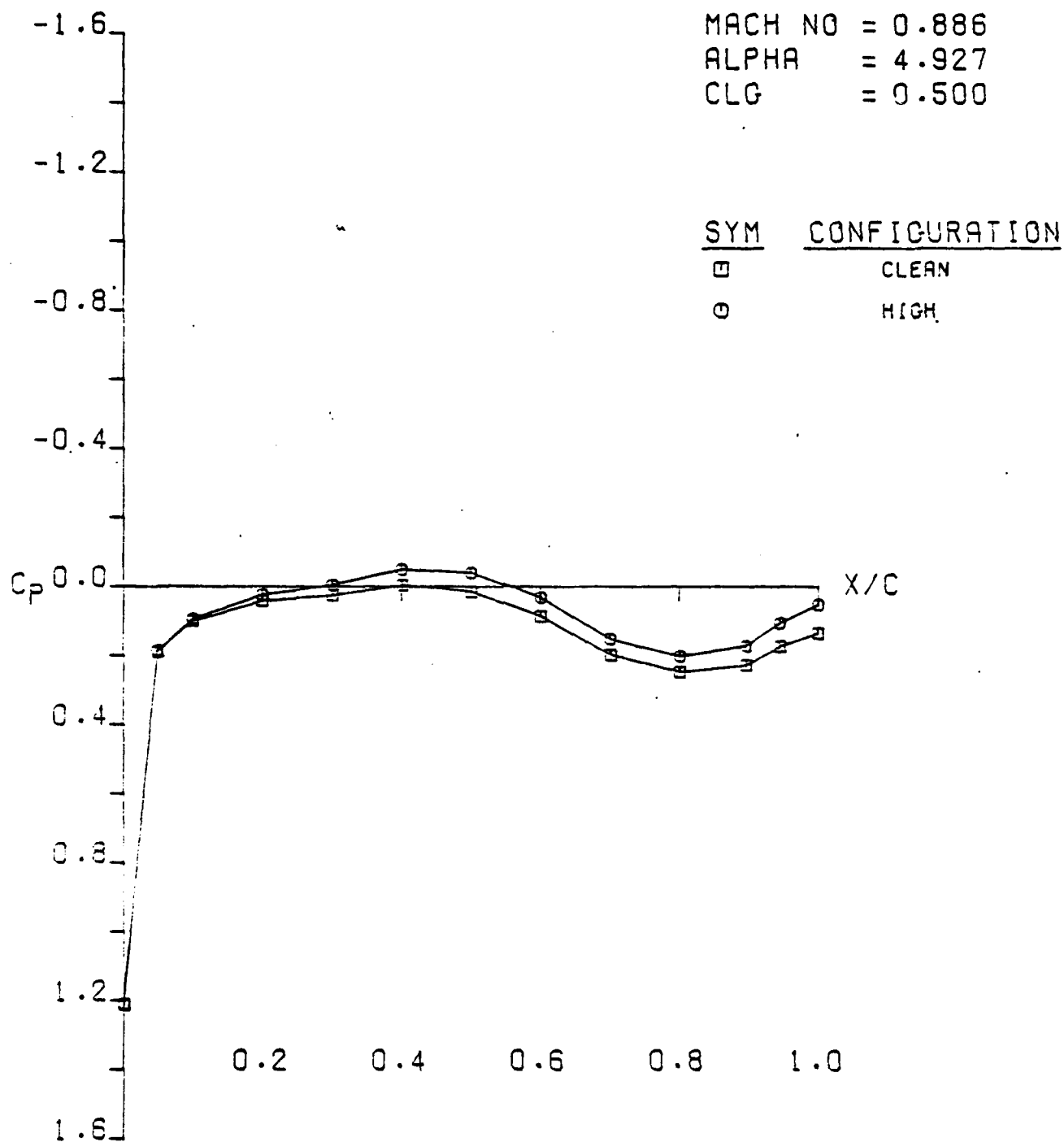
LOCKHEED CFWT SEMI-SPAN TEST, RUN 46
CLN VS HIGH (LWR SURF ETA .10)
NUMERICALLY OPTIMIZED WING C



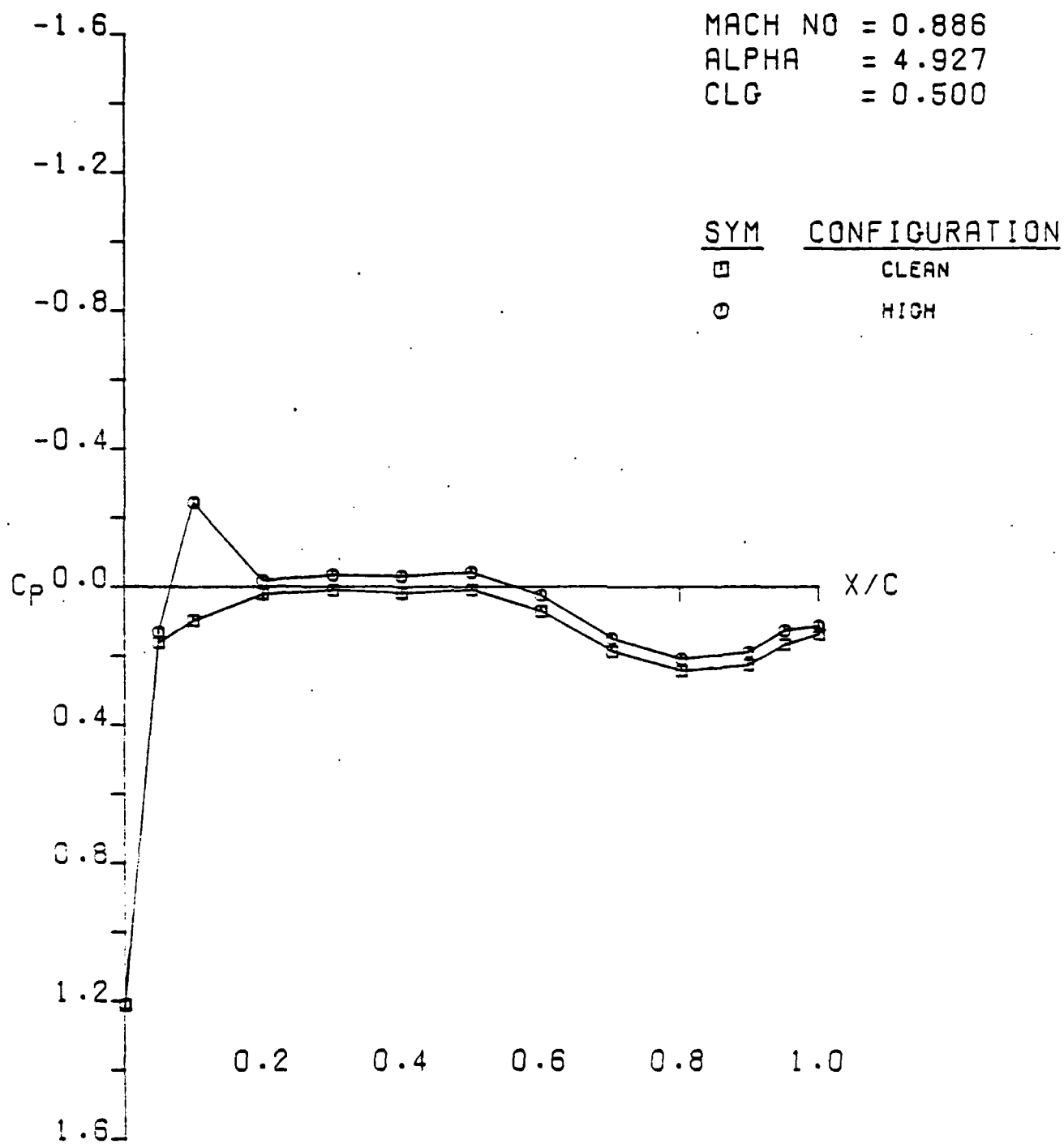
MACH NO = 0.886
 ALPHA = 4.927
 CLG = 0.500

SYM	CONFIGURATION
□	CLEAN
○	HIGH

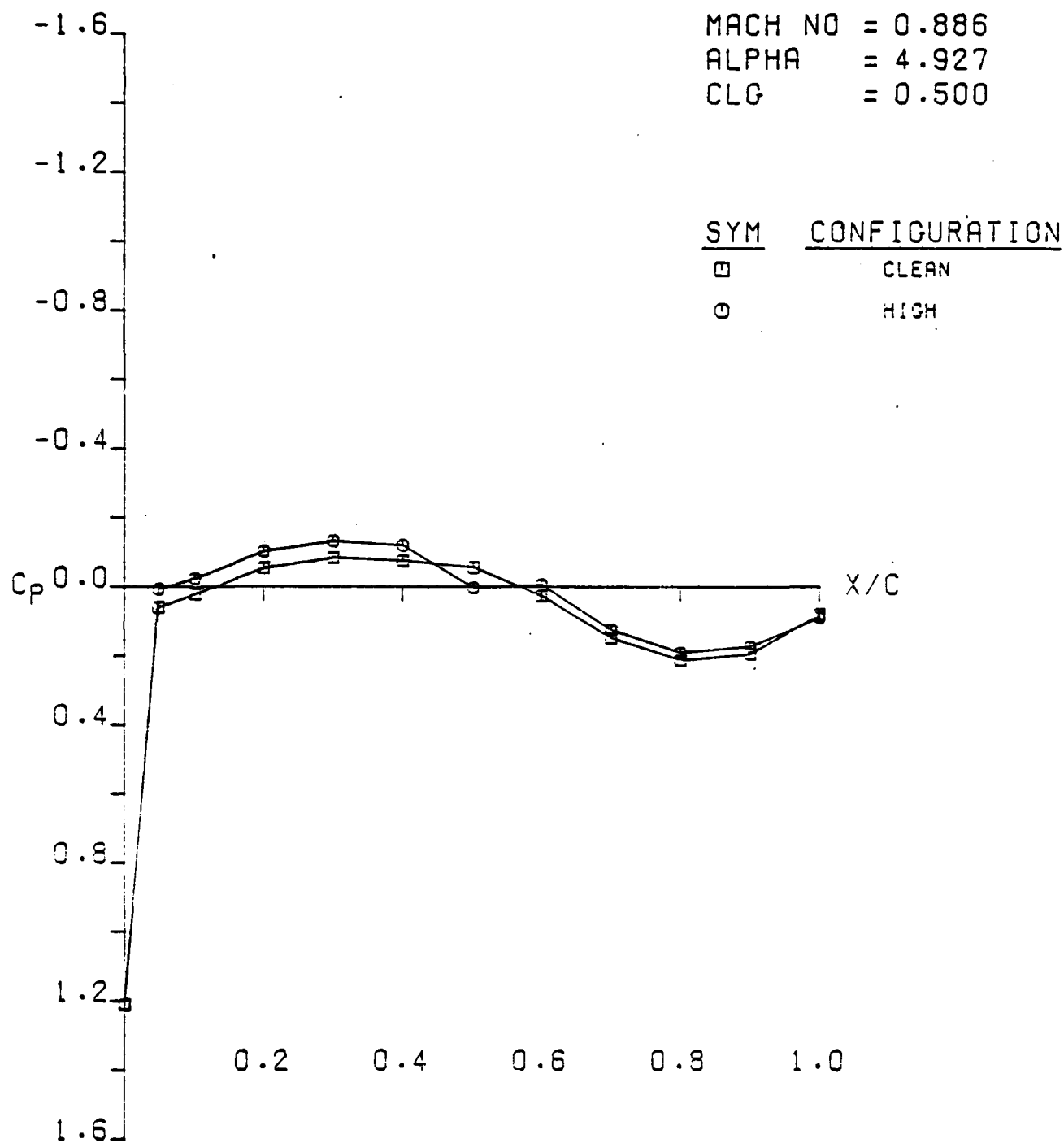
LOCKHEED CFWT SEMI-SPAN TEST, RUN 46
 CLN VS HIGH (LWR SURF ETA .30)
 NUMERICALLY OPTIMIZED WING C



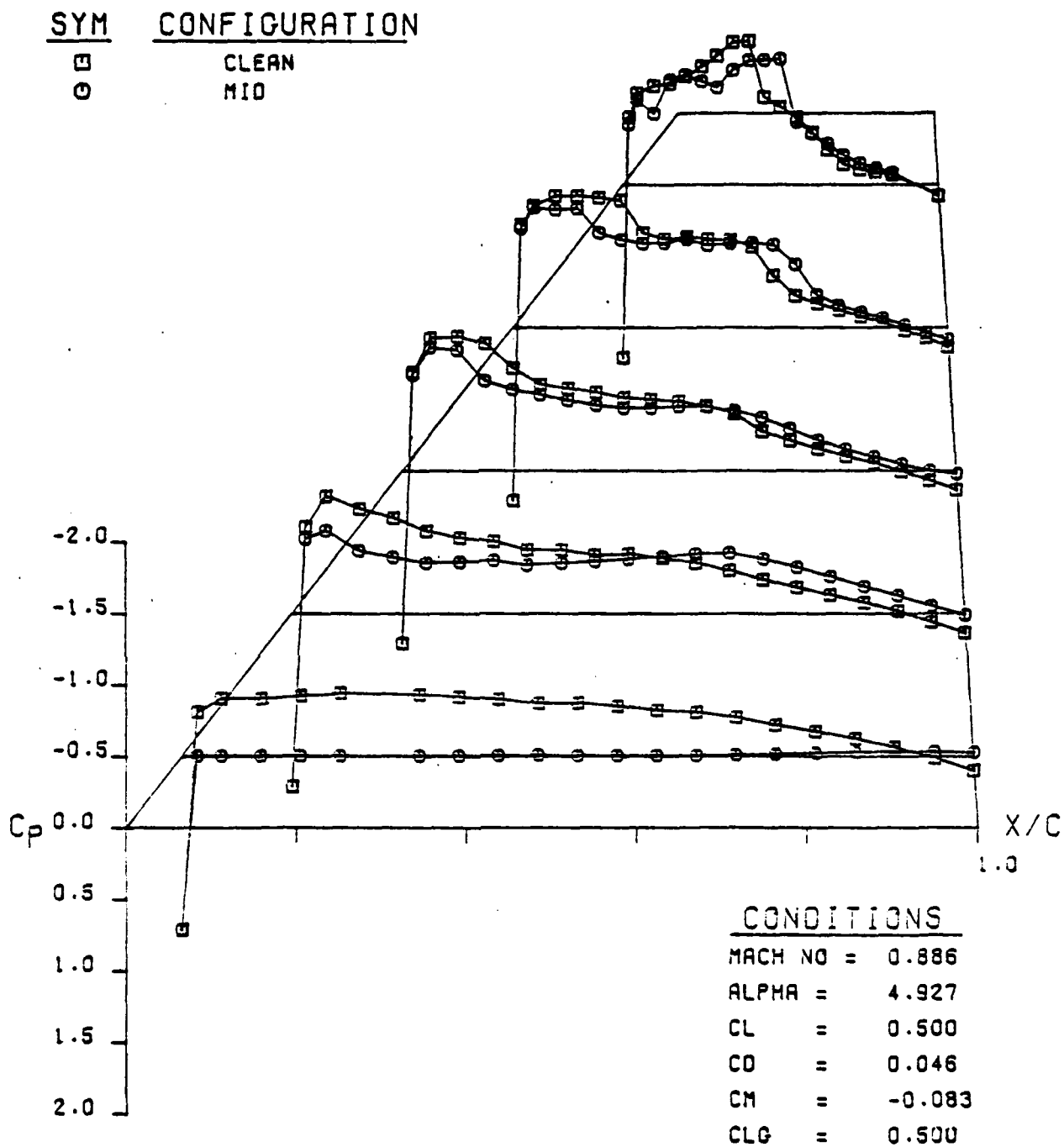
LOCKHEED CFWT SEMI-SPAN TEST, RUN 46
 CLN VS HIGH (LWR SURF ETA .50)
 NUMERICALLY OPTIMIZED WING C



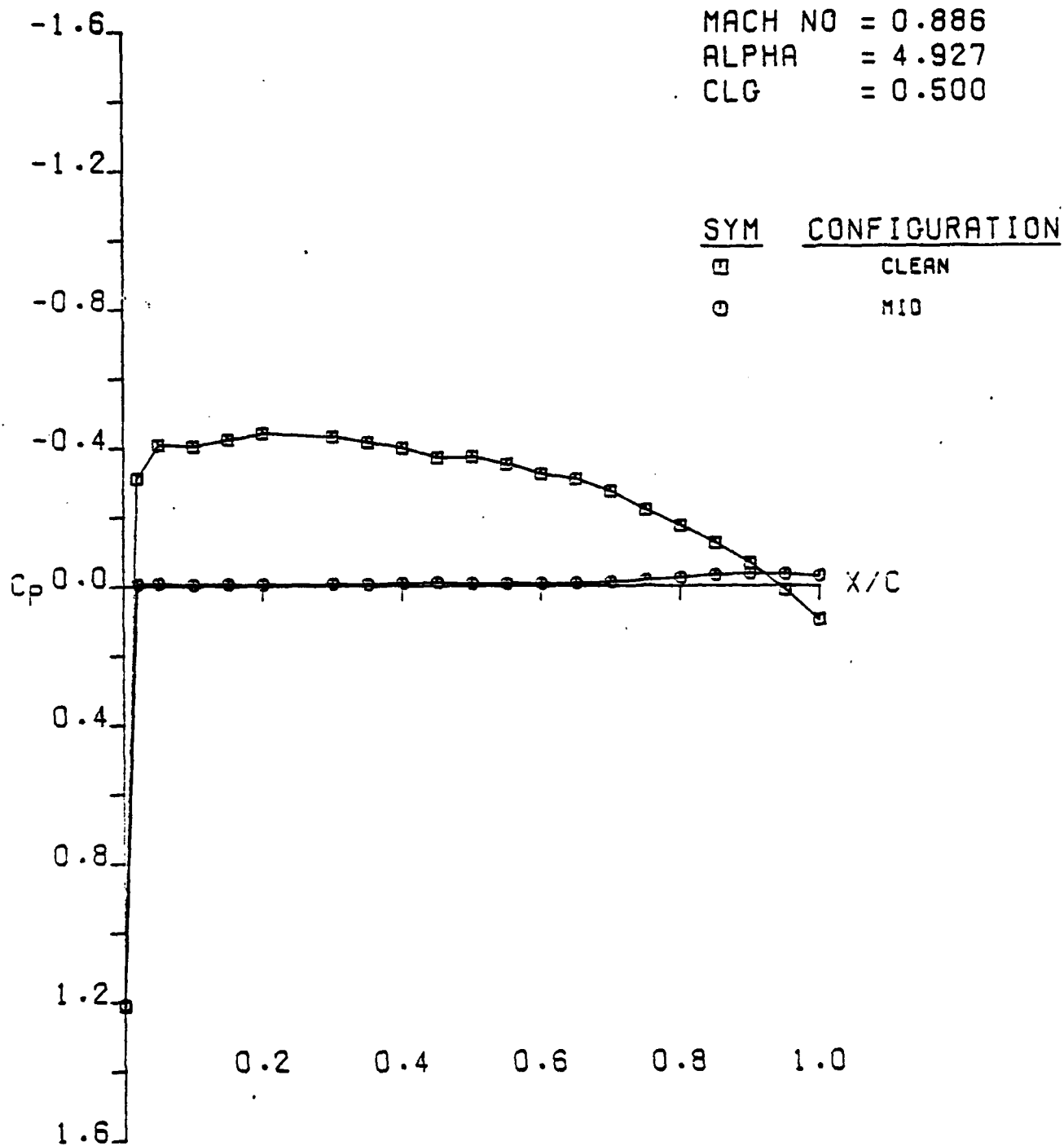
LOCKHEED CFWT SEMI-SPAN TEST, RUN 46
CLN VS HIGH (LWR SURF ETA .70)
NUMERICALLY OPTIMIZED WING C



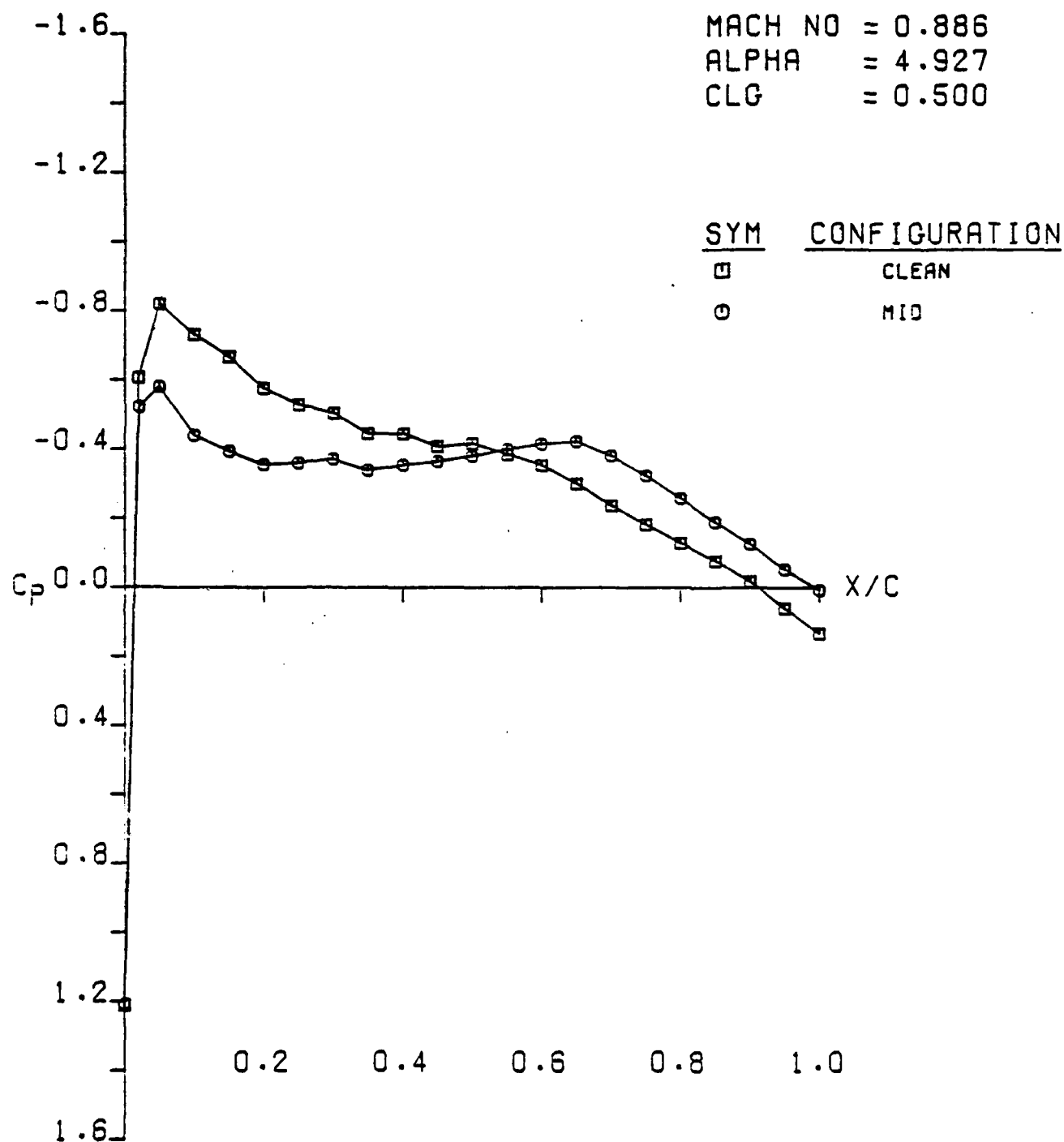
LOCKHEED CFWT SEMI-SPAN TEST, RUN 46
CLN VS HIGH (LWR SURF ETA .90)
NUMERICALLY OPTIMIZED WING C



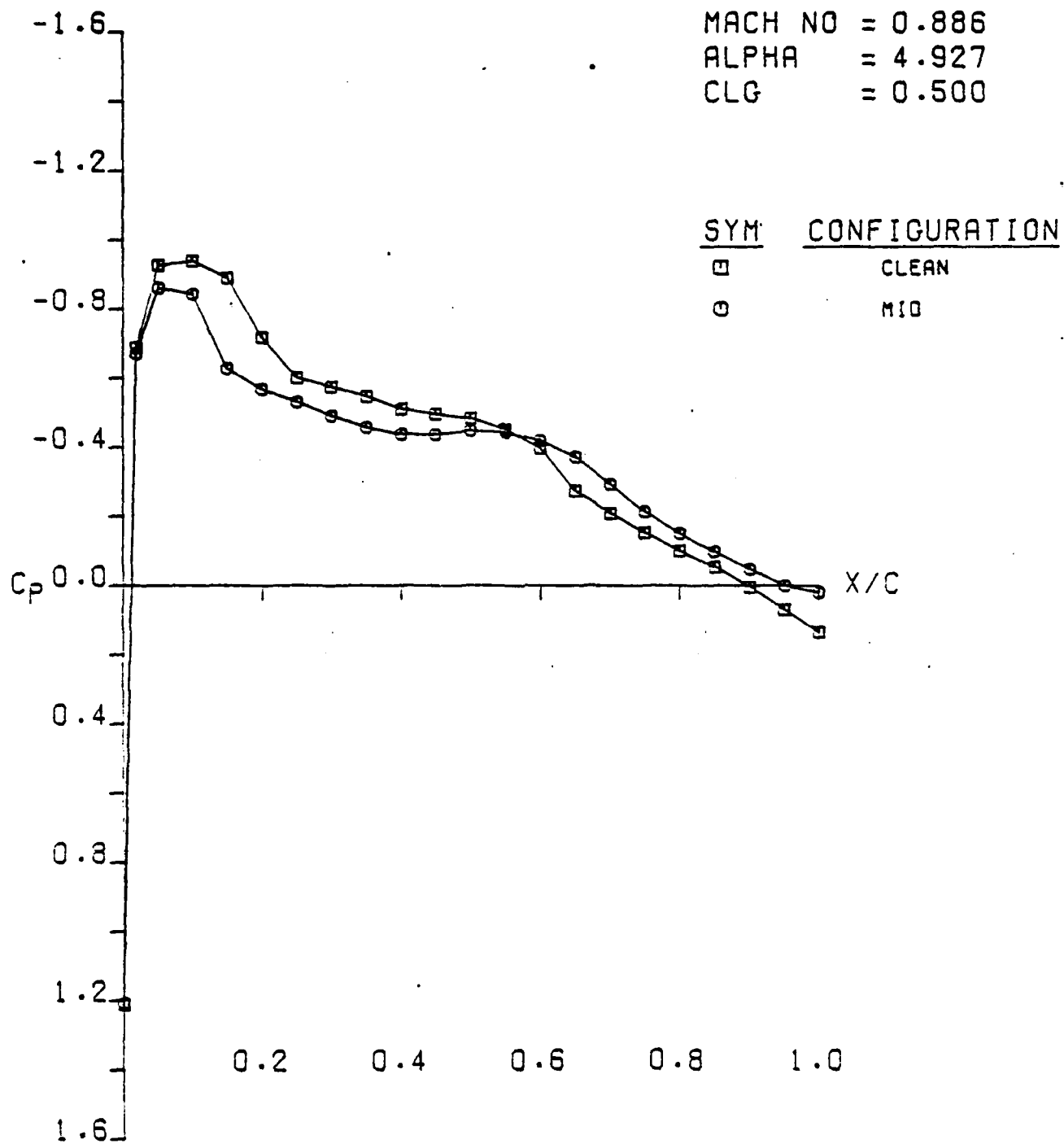
LOCKHEED CFWT SEMI-SPAN TEST, RUN 46
 CLN VS MID - NO SEAL (UPR SURF)
 NUMERICALLY OPTIMIZED WING C



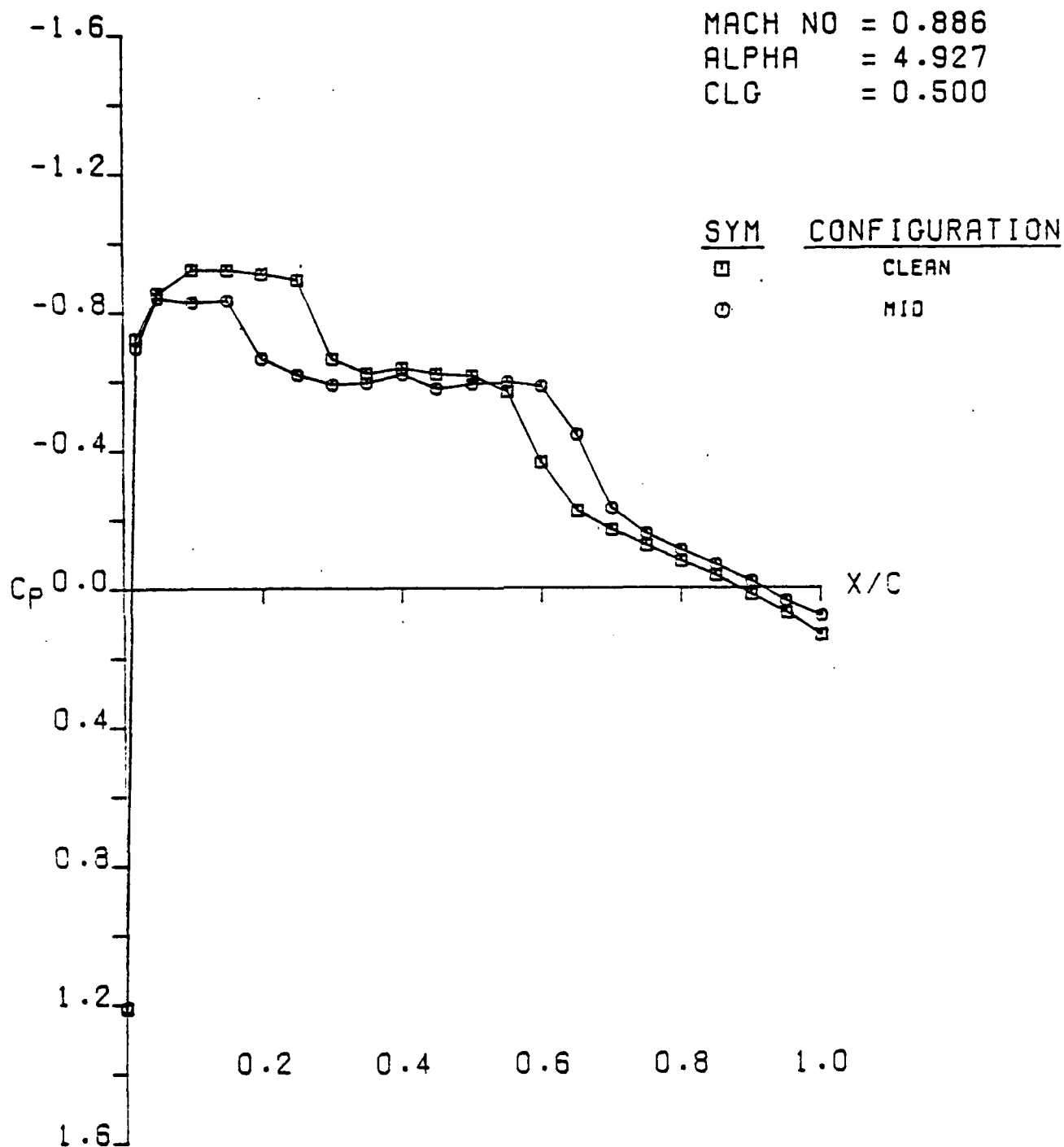
LOCKHEED CFWT SEMI-SPAN TEST, RUN 46
CLN VS MID - NO SEAL (UPR SURF ETA .10)
NUMERICALLY OPTIMIZED WING C



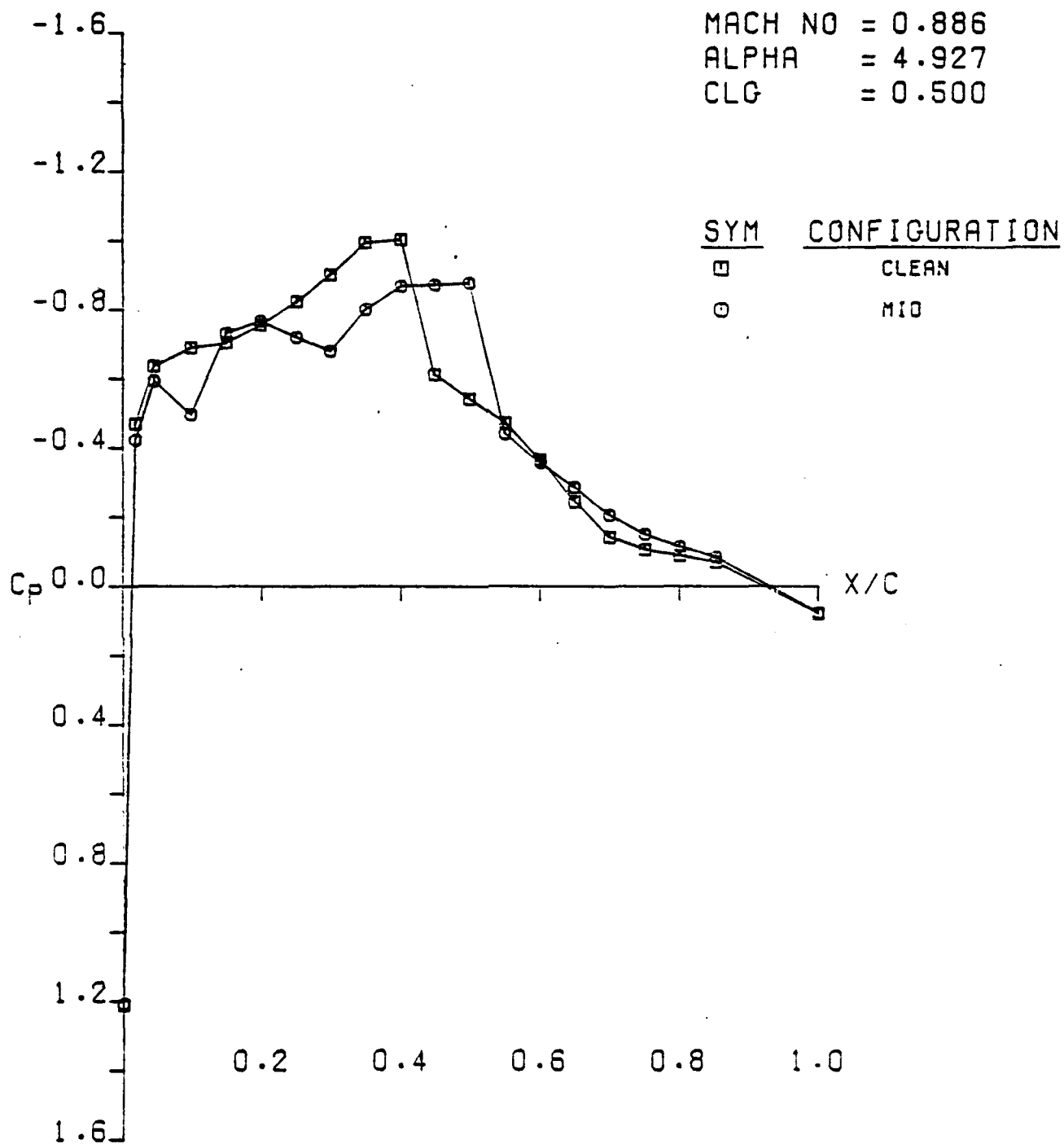
LOCKHEED CFWT SEMI-SPAN TEST, RUN 46
CLN VS MID - NO SEAL (UPR SURF ETA .30)
NUMERICALLY OPTIMIZED WING C



LOCKHEED CFWT SEMI-SPAN TEST, RUN 46
CLN VS MID - NO SEAL (UPR SURF ETA .50)
NUMERICALLY OPTIMIZED WING C



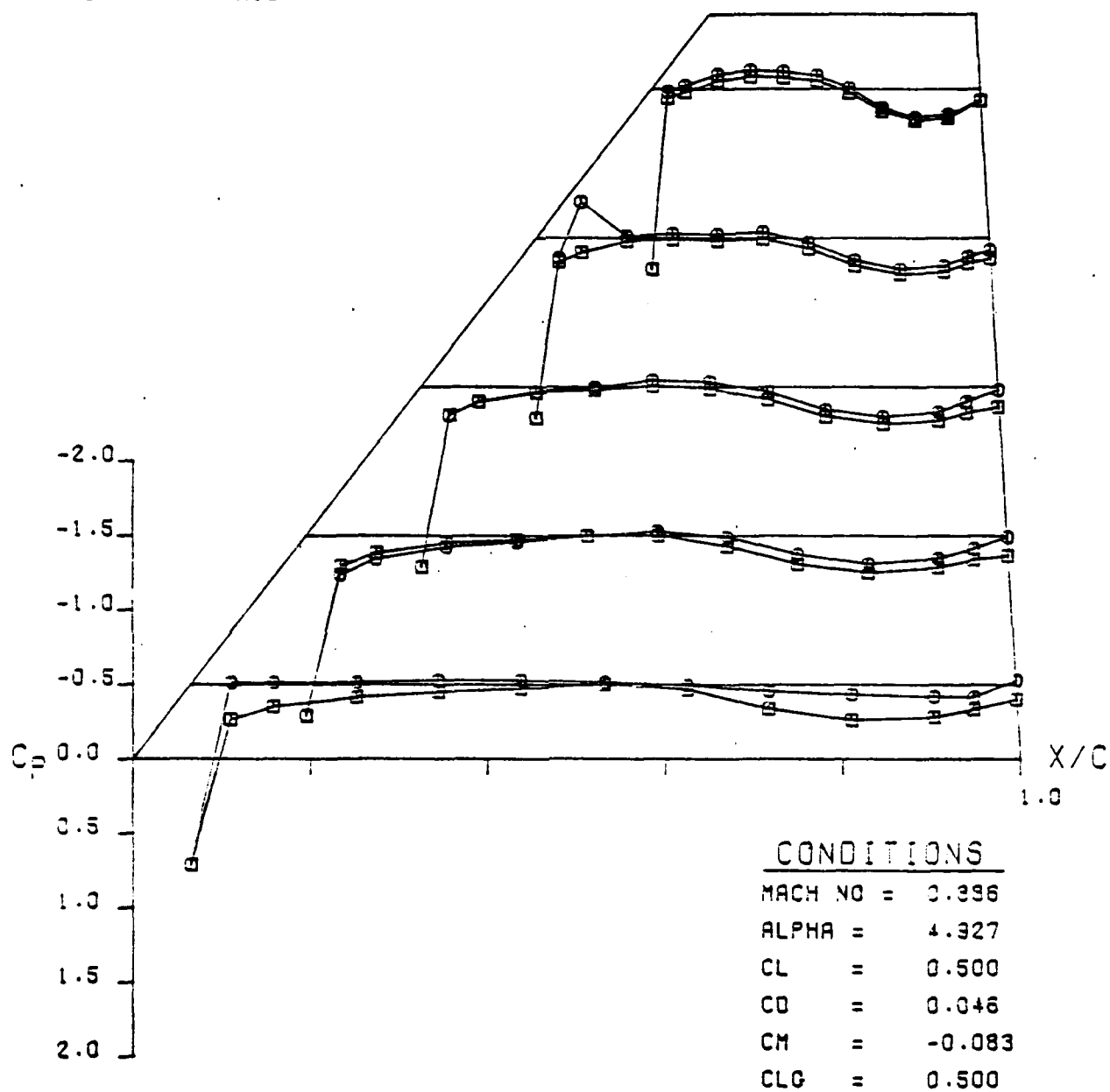
LOCKHEED CFWT SEMI-SPAN TEST, RUN 46
CLN VS MID - NO SEAL (UPR SURF ETA .70)
NUMERICALLY OPTIMIZED WING C



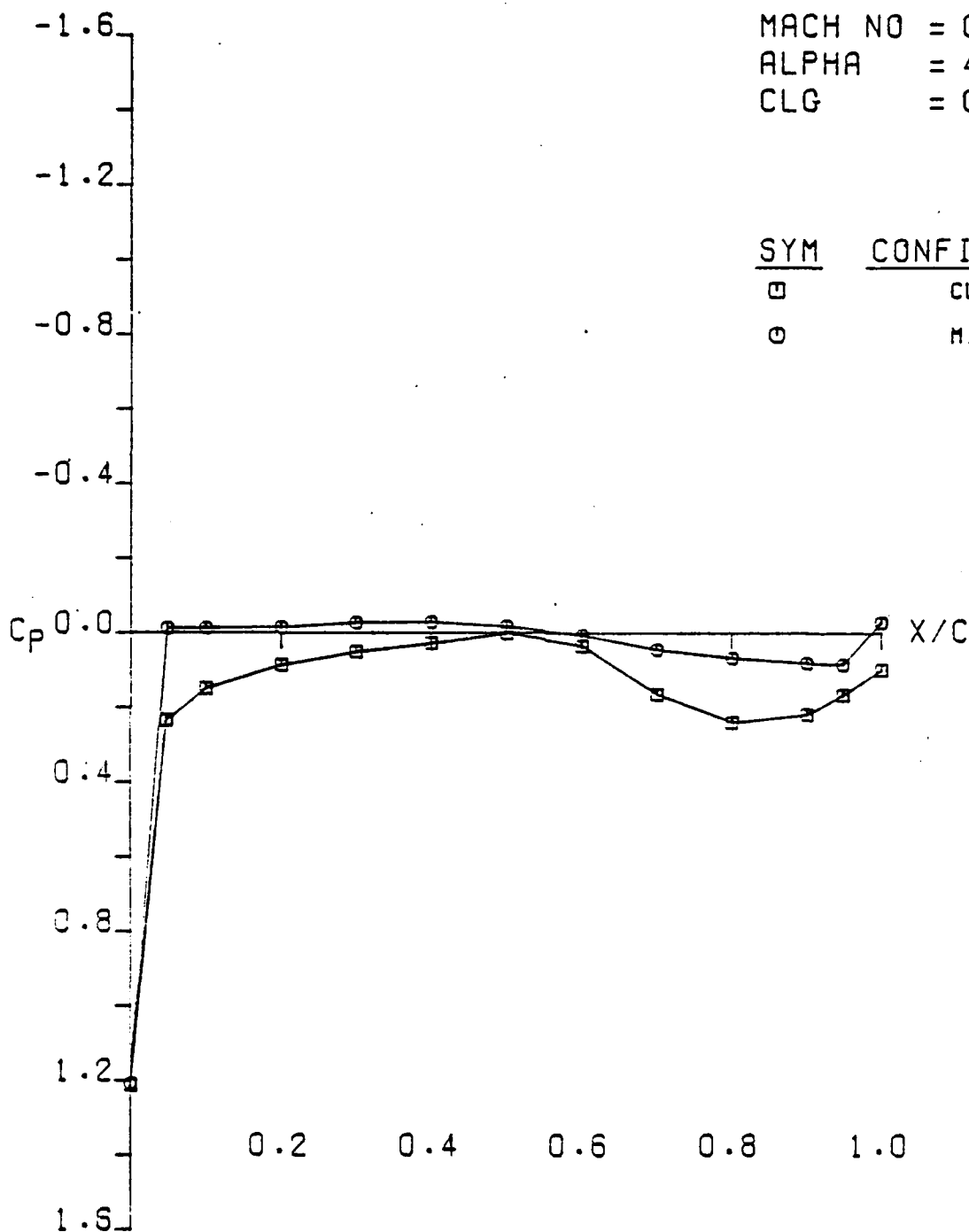
LOCKHEED CFWT SEMI-SPAN TEST, RUN 46
CLN VS MID - NO SEAL (UPR SURF ETA .90)
NUMERICALLY OPTIMIZED WING C

SYM CONFIGURATION

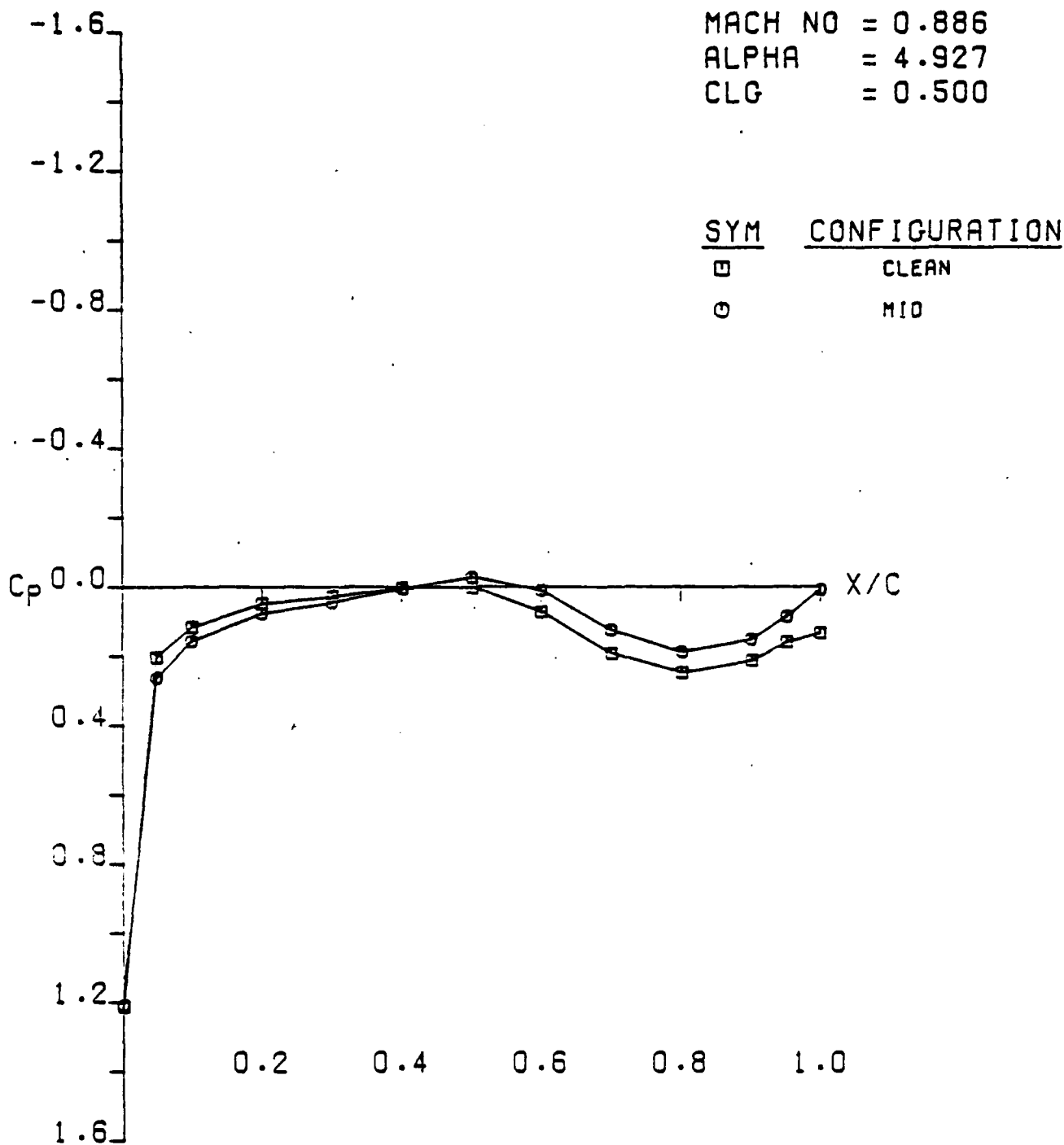
□ CLEAN
○ MID



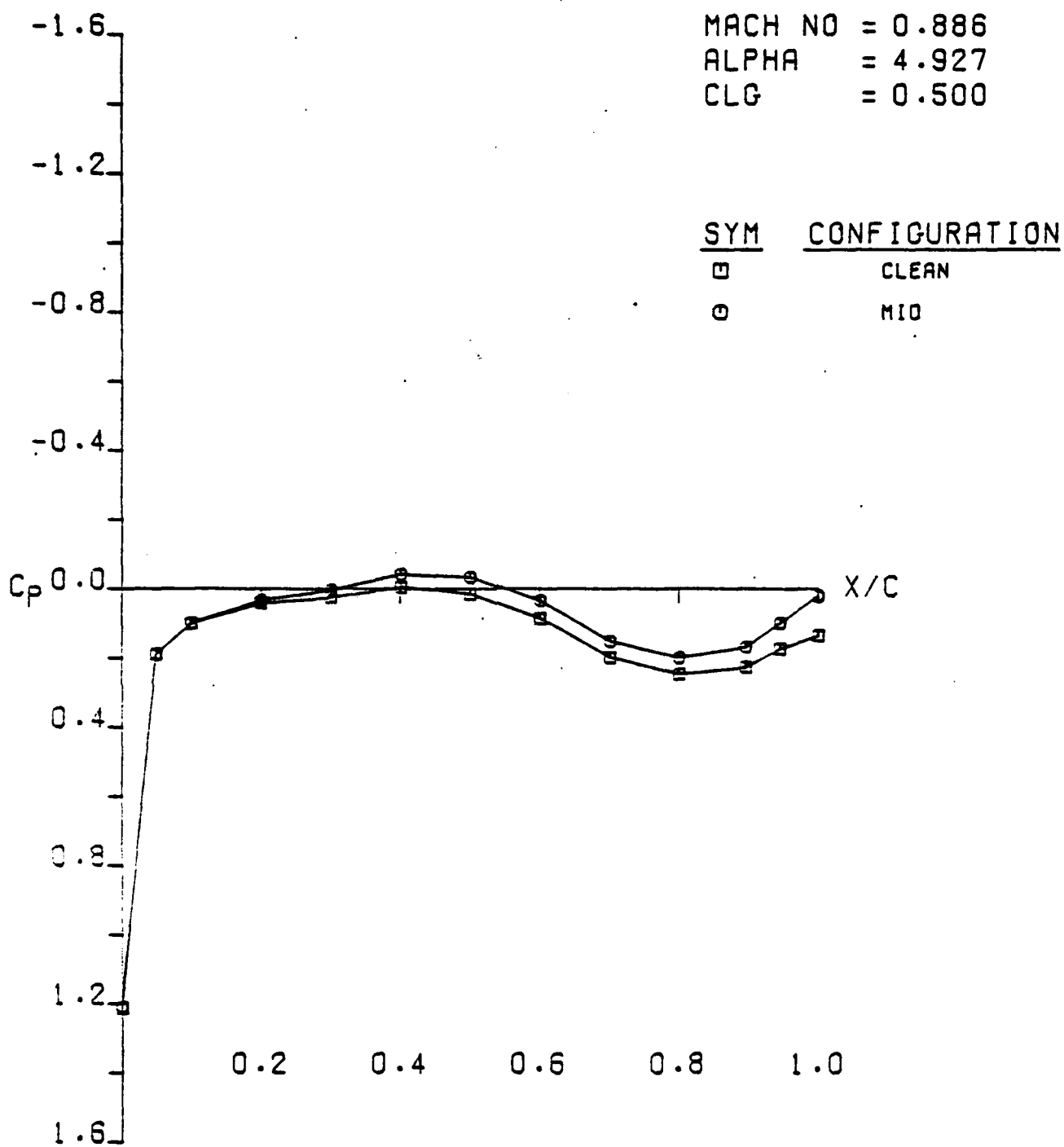
LOCKHEED CFWT SEMI-SPAN TEST, RUN 46
CLN VS MID - NO SEAL (LWR SURF)
NUMERICALLY OPTIMIZED WING C



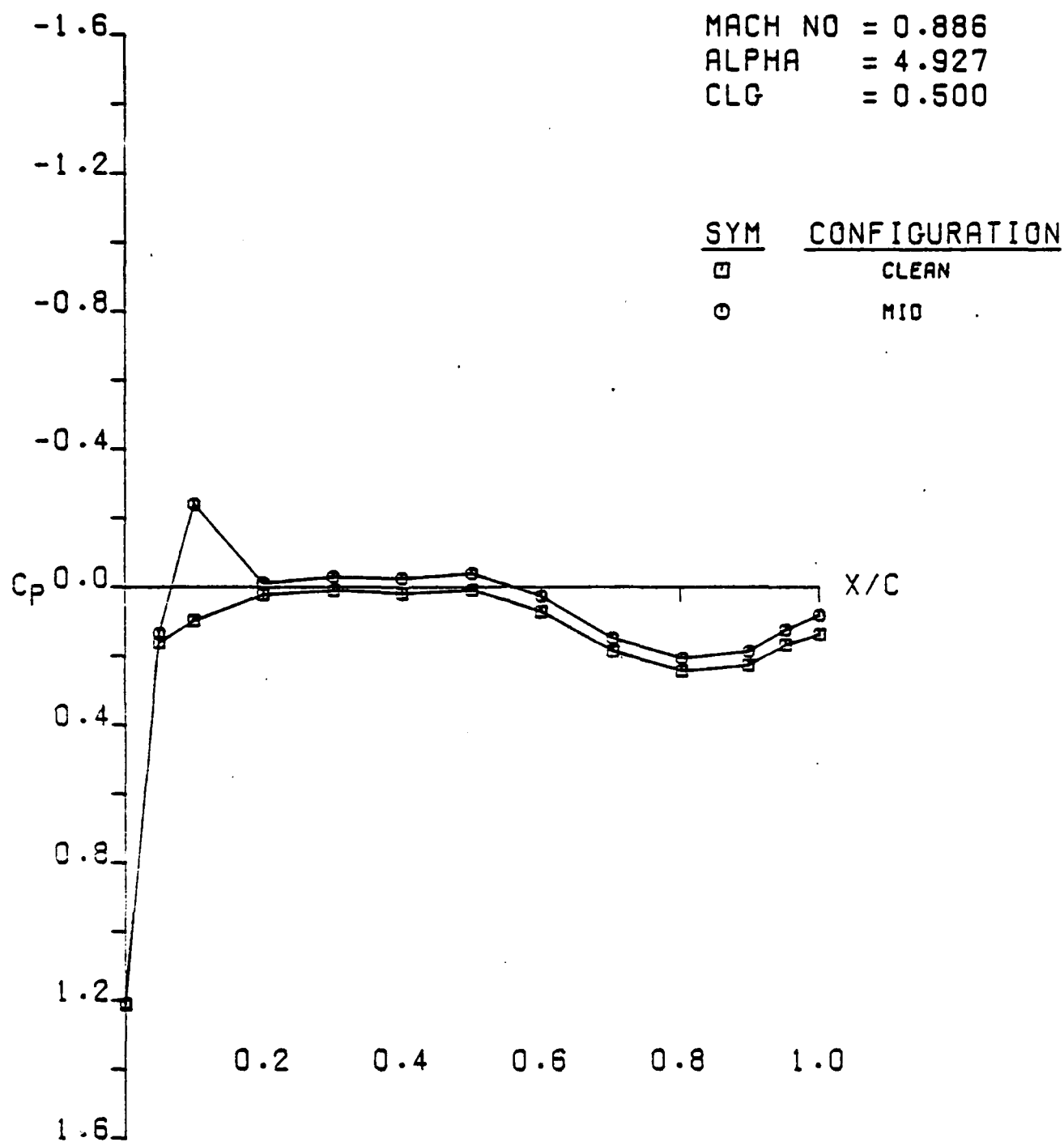
LOCKHEED CFWT SEMI-SPAN TEST, RUN 46
 CLN VS MID - NO SEAL (LWR SURF ETA .10)
 NUMERICALLY OPTIMIZED WING C



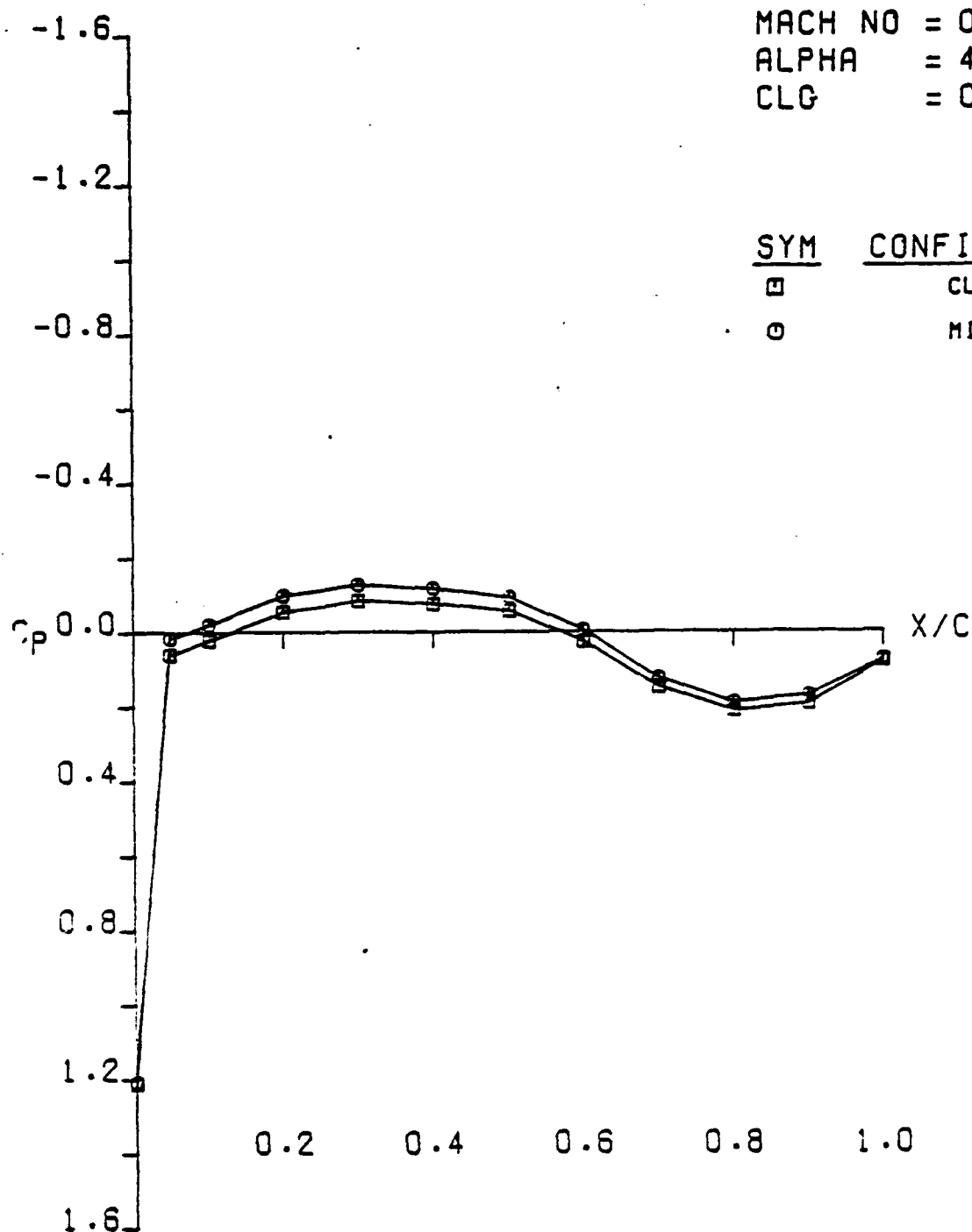
LOCKHEED CFWT SEMI-SPAN TEST, RUN 46
 CLN VS MID - NO SEAL (LWR SURF ETA .30)
 NUMERICALLY OPTIMIZED WING C



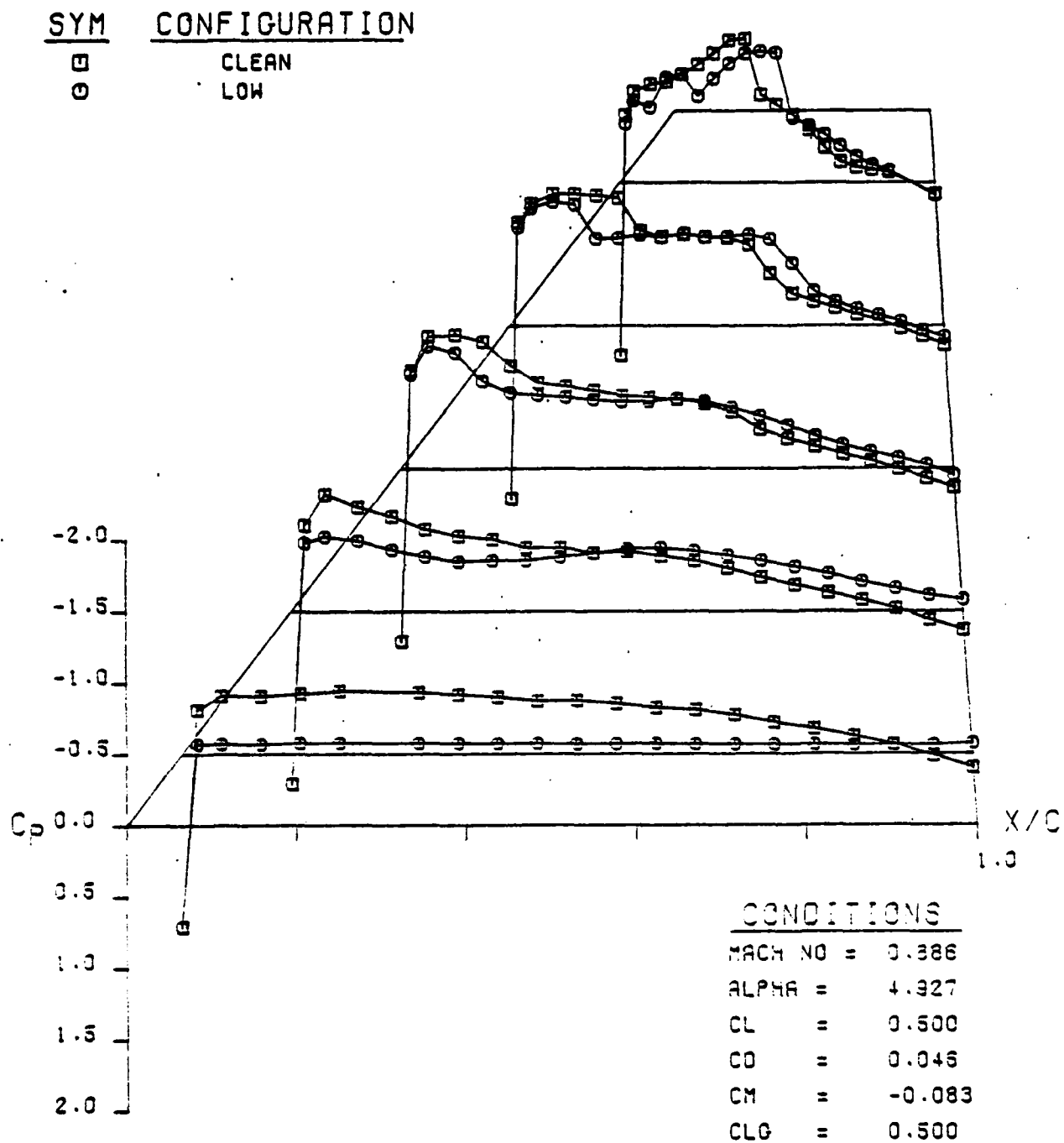
LOCKHEED CFWT SEMI-SPAN TEST, RUN 46
 CLN VS MID - NO SEAL (LWR SURF ETA .50)
 NUMERICALLY OPTIMIZED WING C



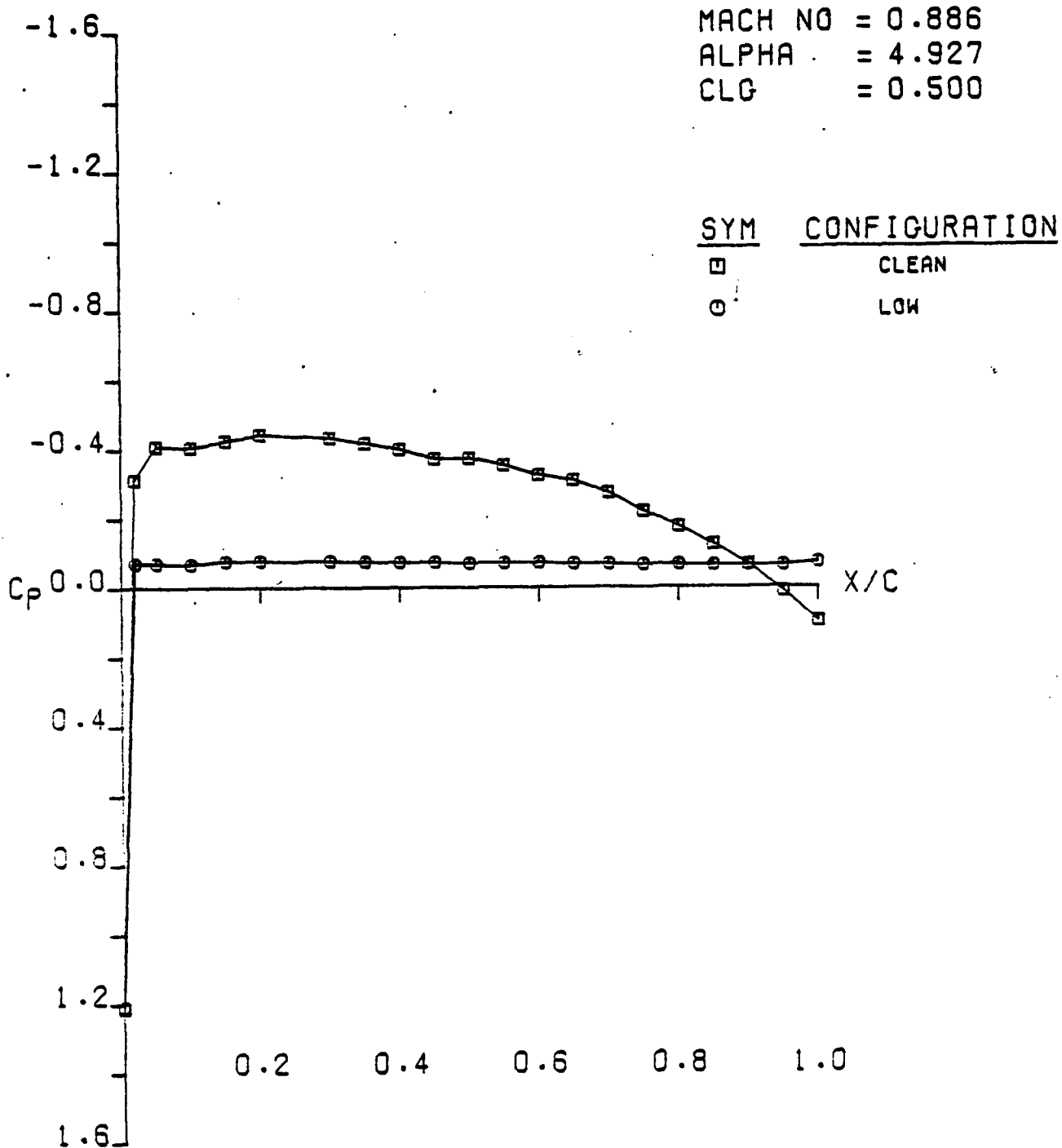
LOCKHEED CFWT SEMI-SPAN TEST, RUN 46
 CLN VS MID - NO SEAL (LWR SURF ETA .70)
 NUMERICALLY OPTIMIZED WING C



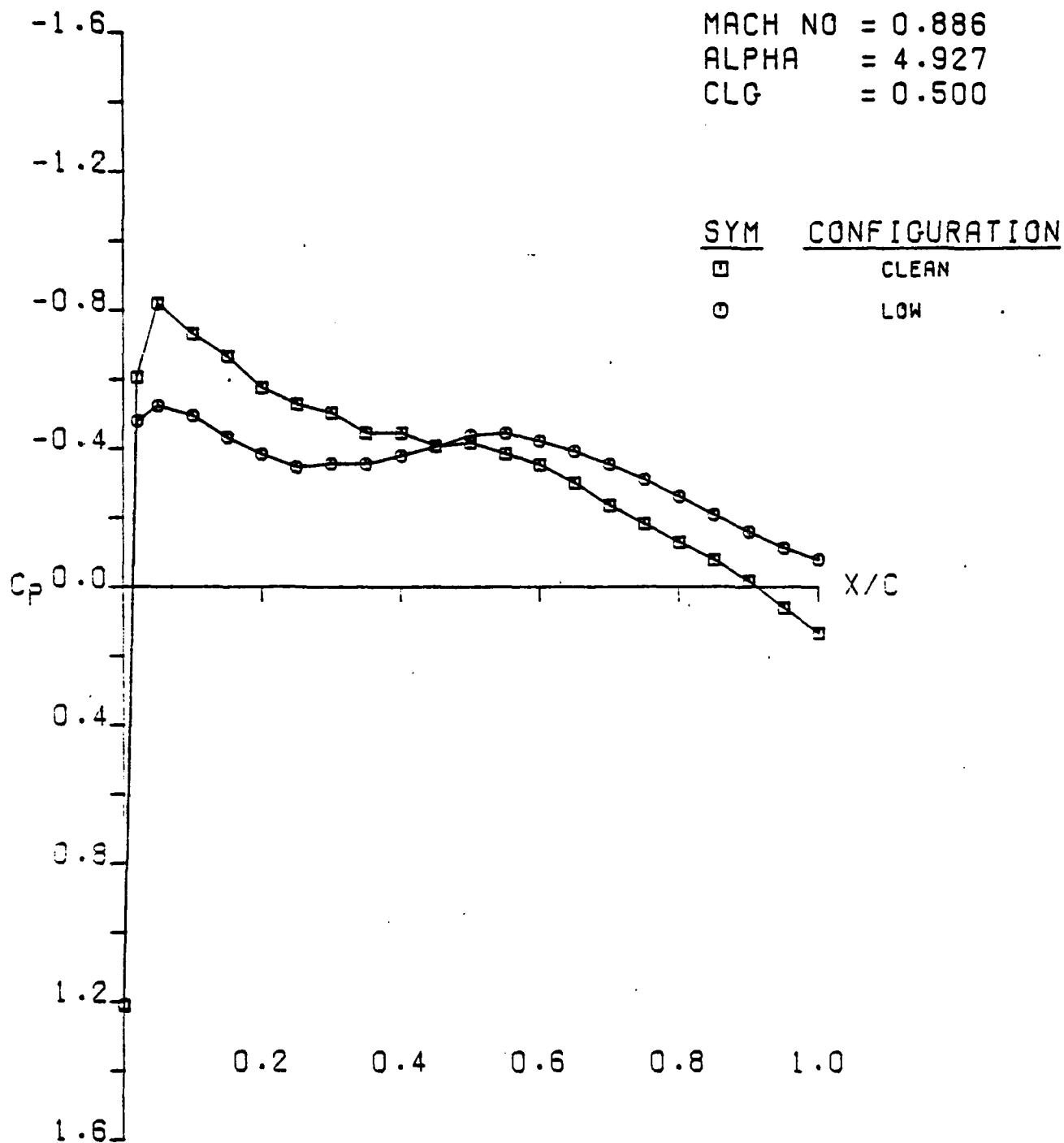
LOCKHEED CFWT SEMI-SPAN TEST, RUN 46
 CLN VS MID - NO SEAL (LWR SURF ETA .90)
 NUMERICALLY OPTIMIZED WING C



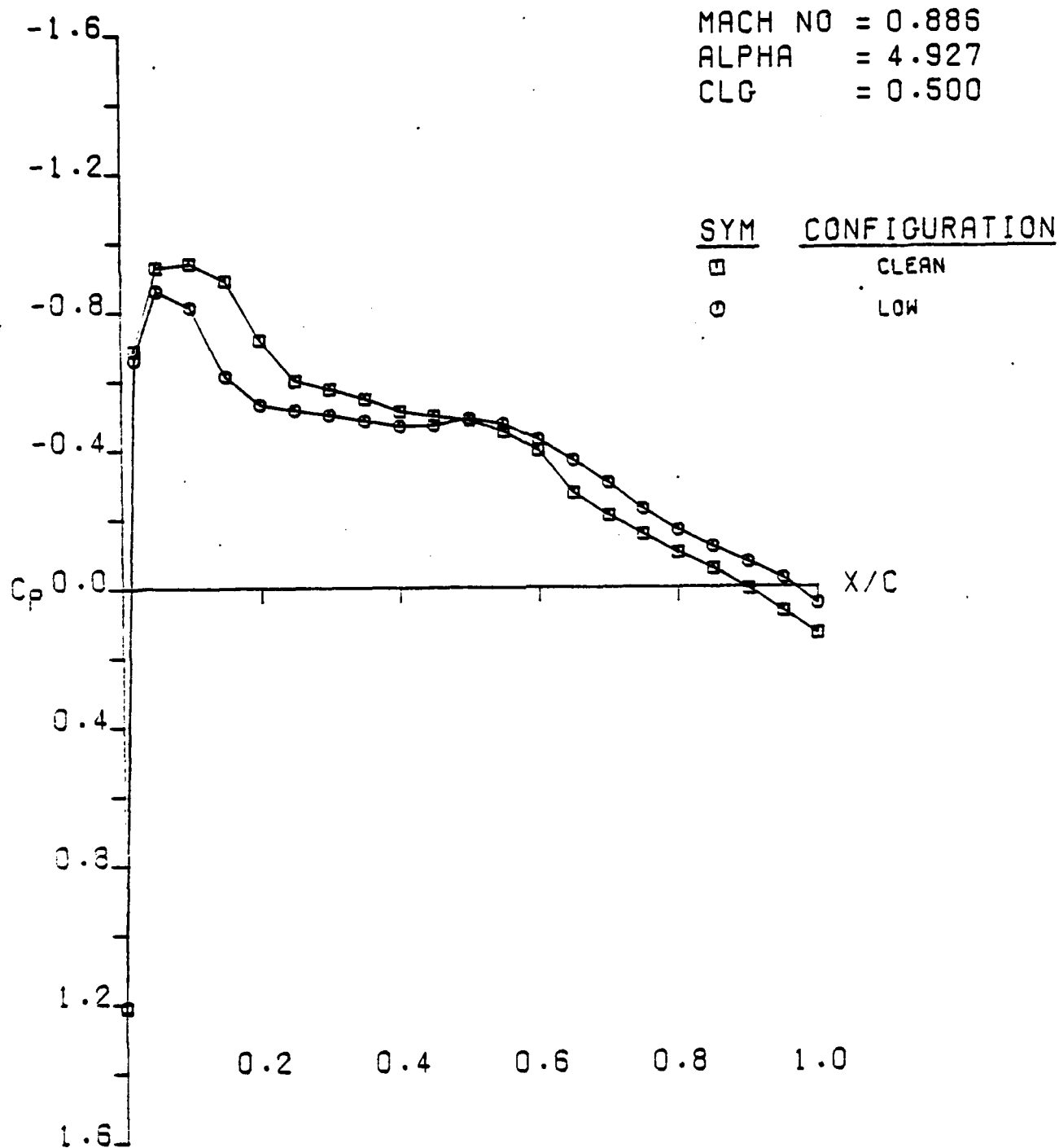
LOCKHEED CFWT SEMI-SPAN TEST, RUN 46
 CLN VS LOW (UPR SURF)
 NUMERICALLY OPTIMIZED WING C



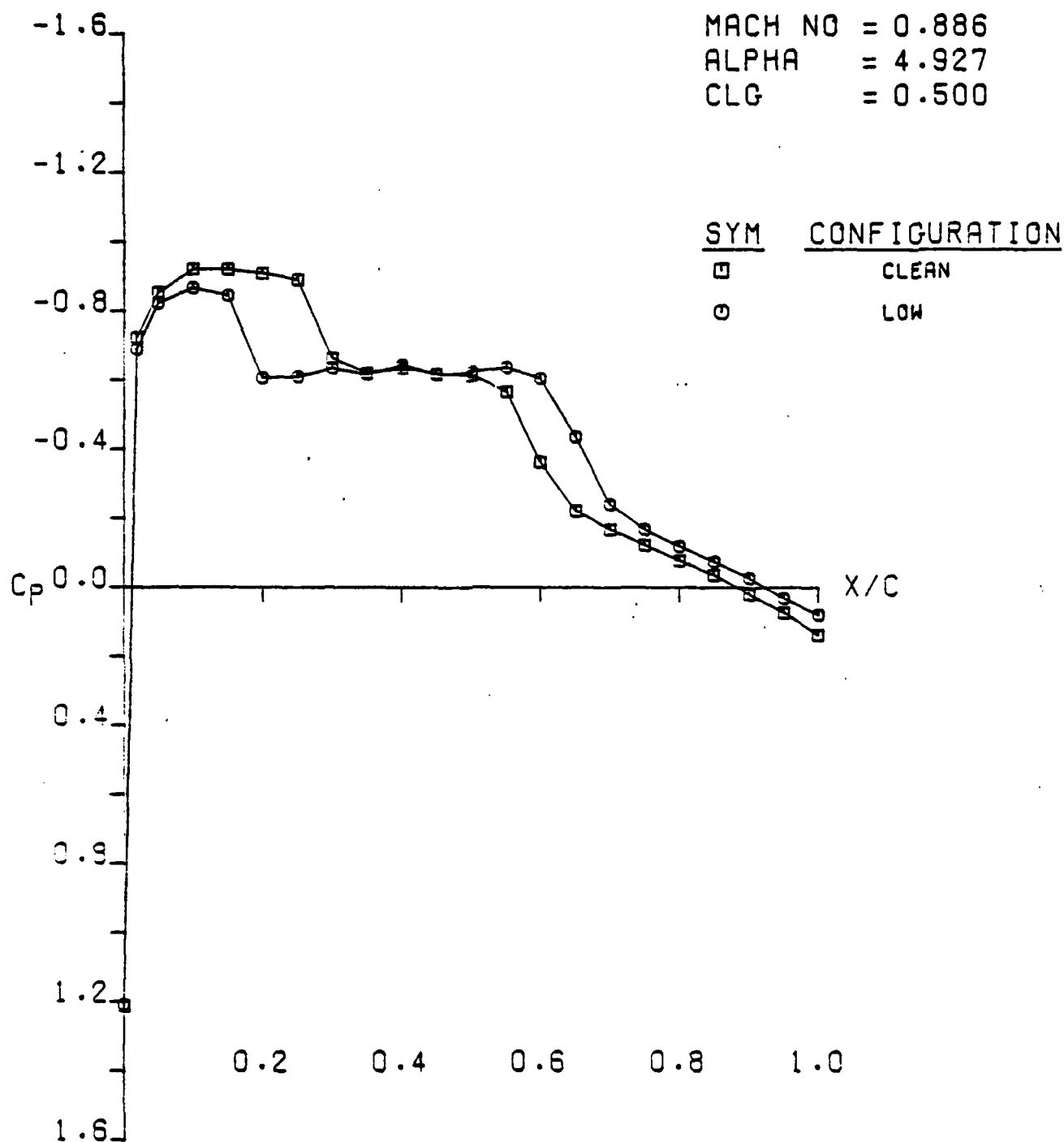
LOCKHEED CFWT SEMI-SPAN TEST, RUN 46
CLN VS LOW (UPR SURF ETA .10)
NUMERICALLY OPTIMIZED WING C



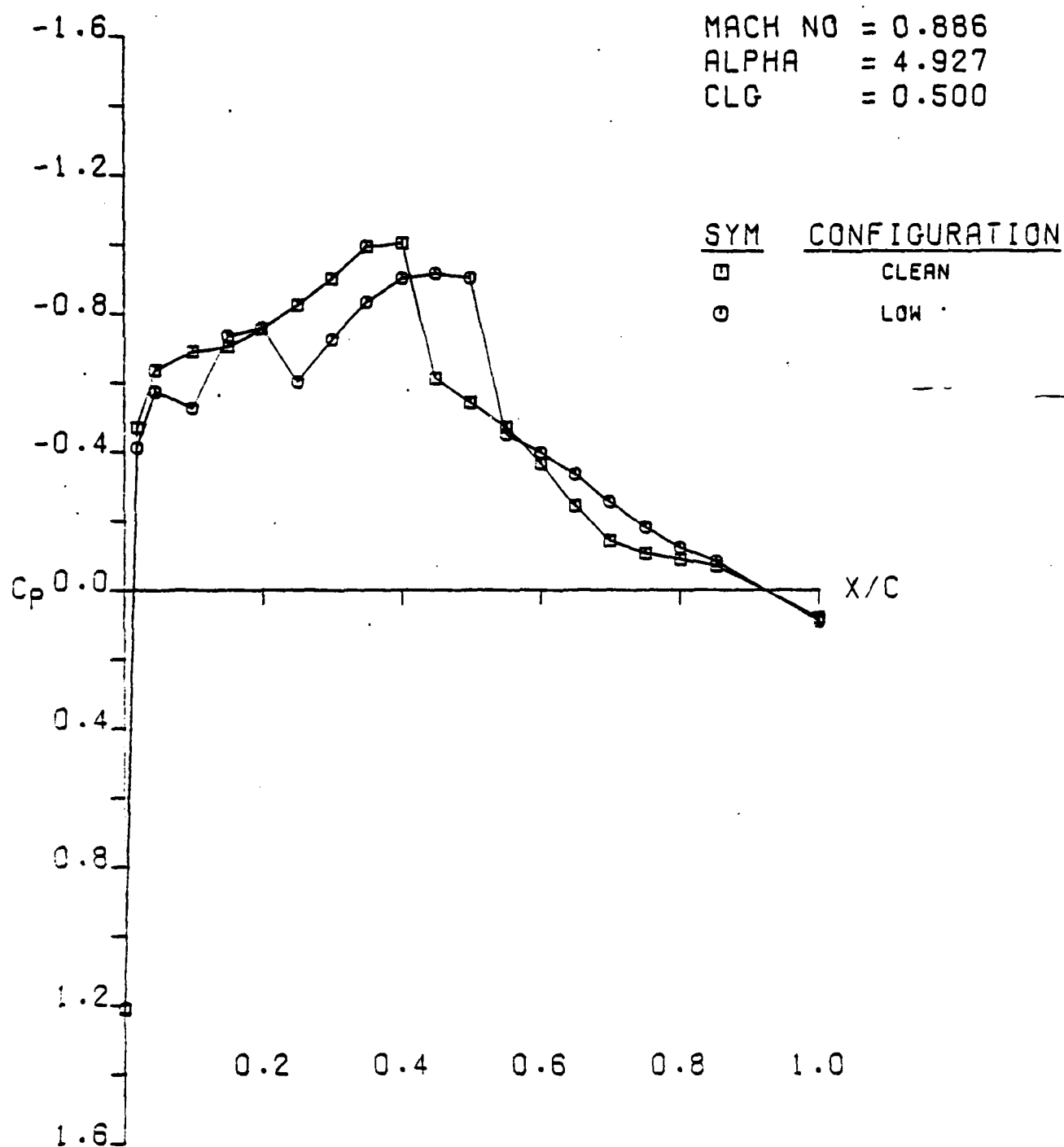
LOCKHEED CFWT SEMI-SPAN TEST, RUN 46
 CLN VS LOW (UPR SURF ETA .30)
 NUMERICALLY OPTIMIZED WING C



LOCKHEED CFWT SEMI-SPAN TEST, RUN 46
CLN VS LOW (UPR SURF ETA .50)
NUMERICALLY OPTIMIZED WING C



LOCKHEED CFWT SEMI-SPAN TEST, RUN 46
 CLN VS LOW (UPR SURF ETA .70)
 NUMERICALLY OPTIMIZED WING C

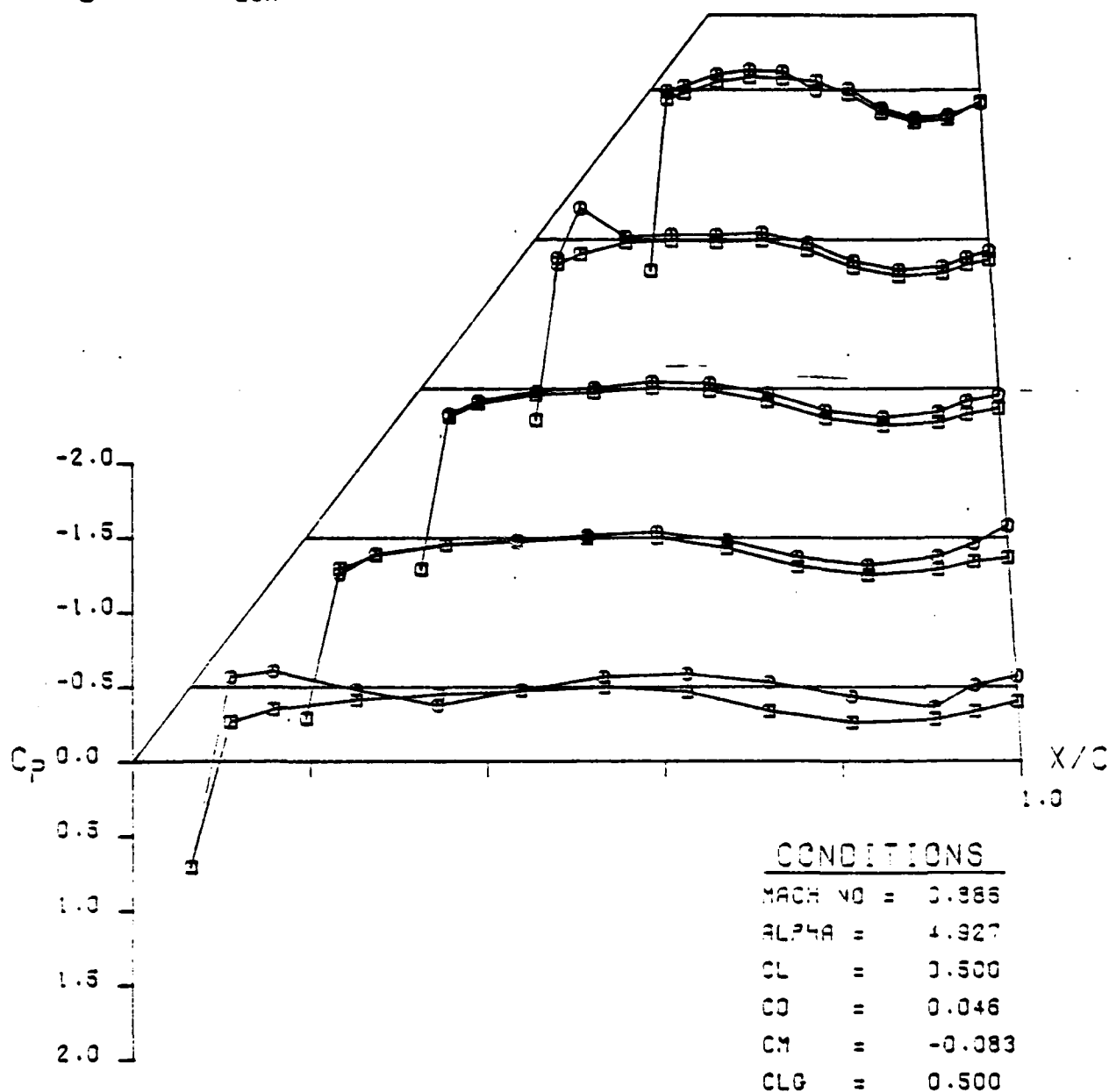


LOCKHEED CFWT SEMI-SPAN TEST, RUN 46
 CLN VS LOW (UPR SURF ETA .90)
 NUMERICALLY OPTIMIZED WING C

SYM CONFIGURATION

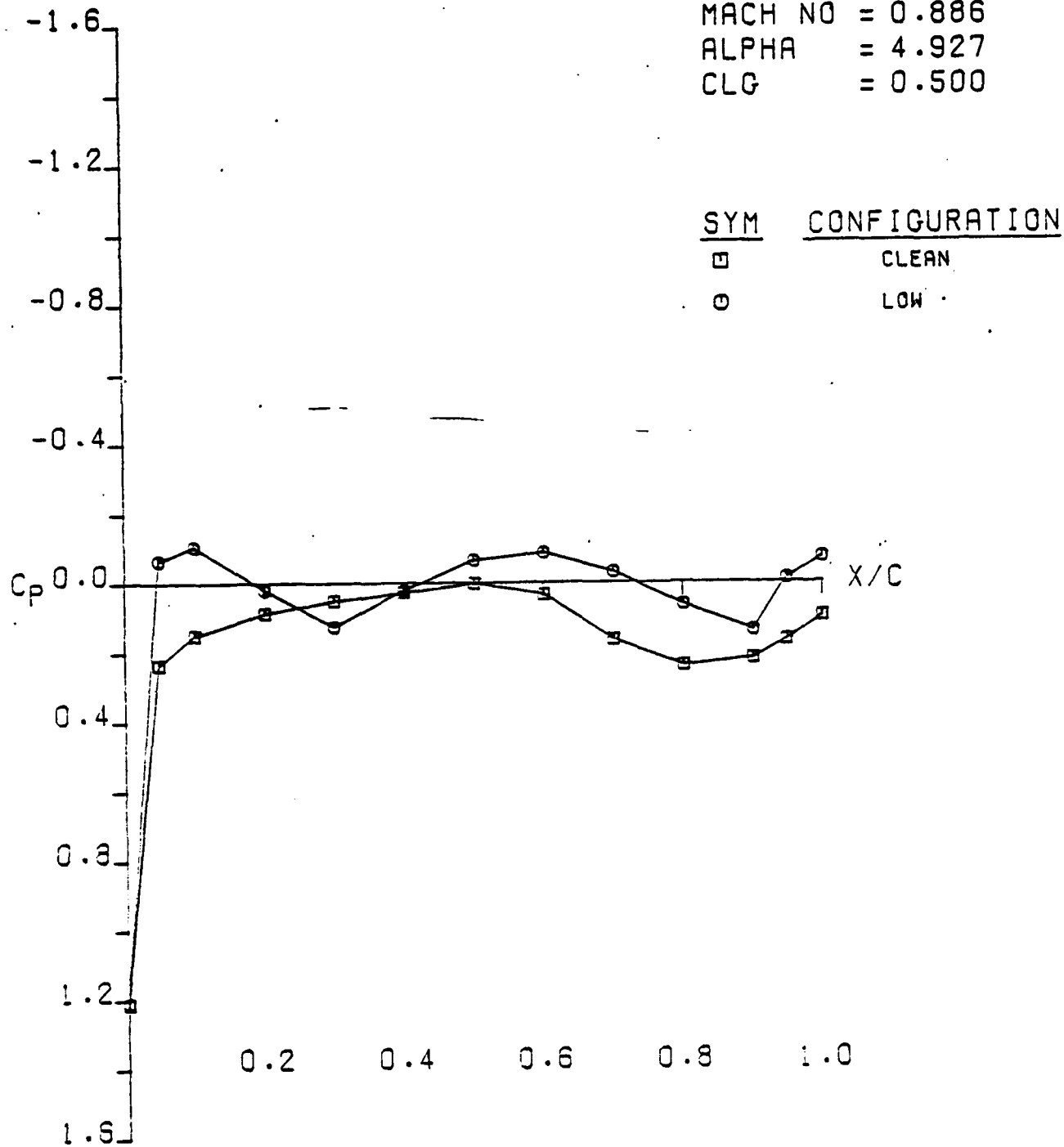
□
○

CLEAN
LOW

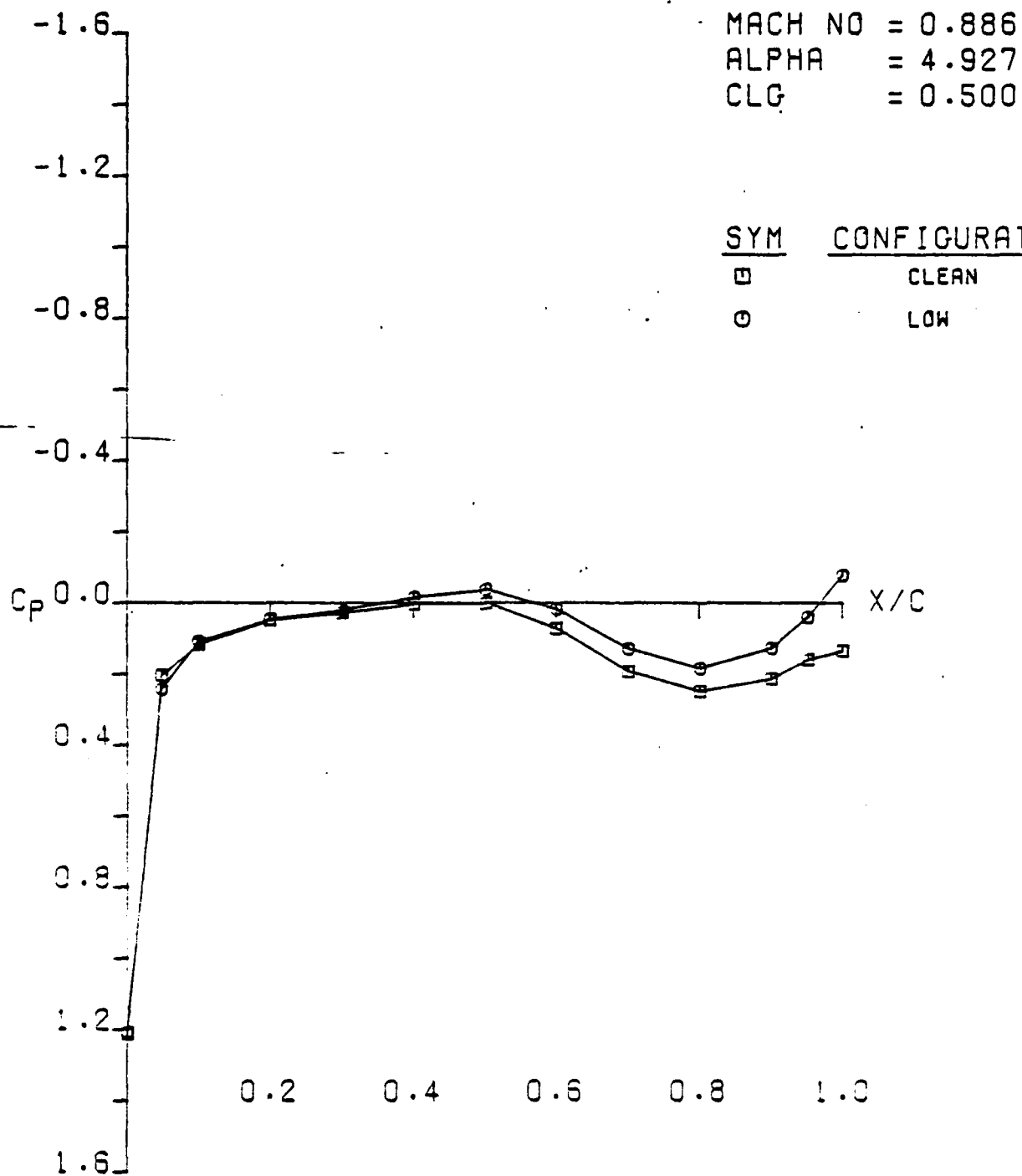


LOCKHEED CFWT SEMI-SPAN TEST, RUN 46
CLN VS LOW (LWR SURF)
NUMERICALLY OPTIMIZED WING C

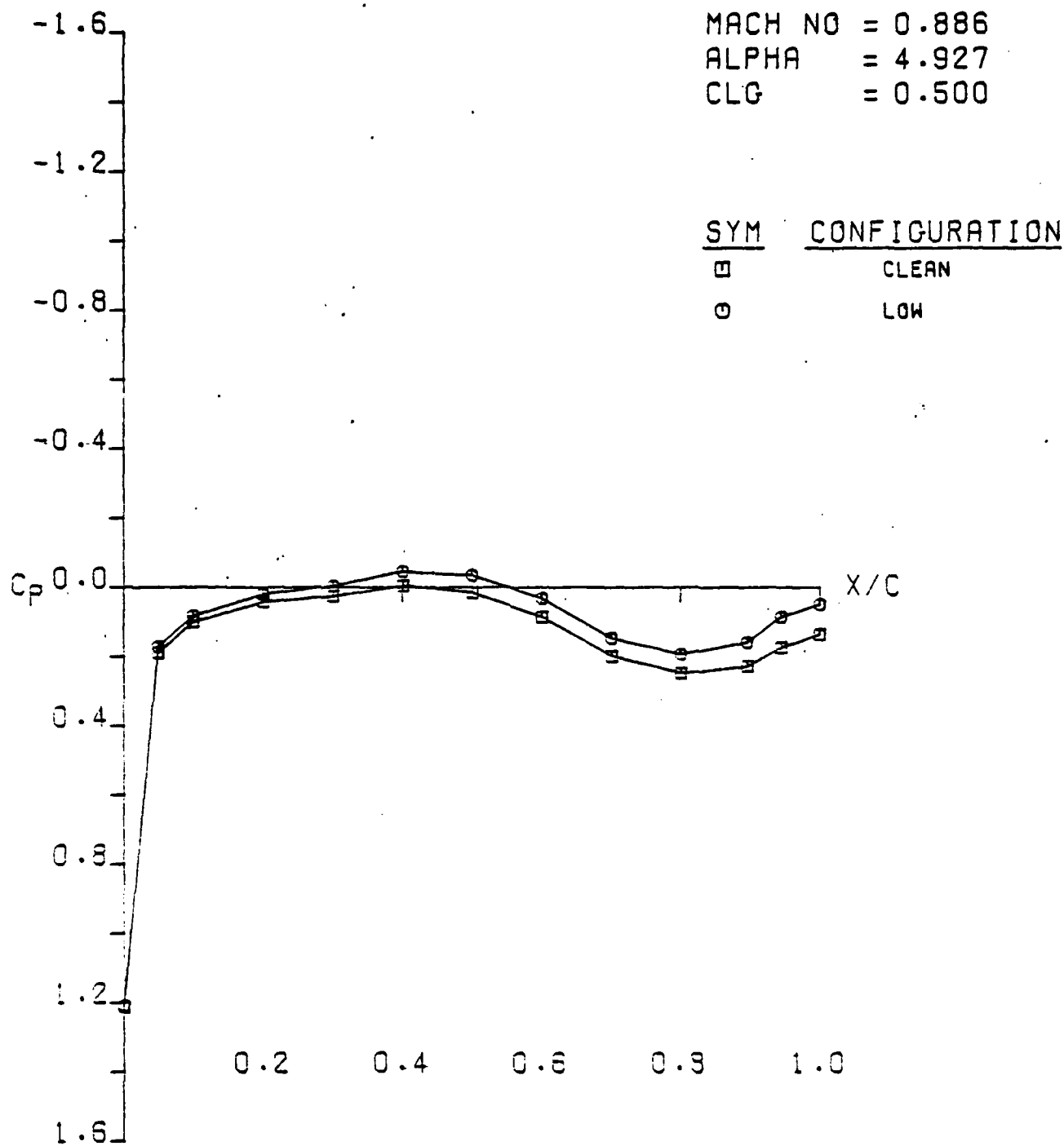
MACH NO = 0.886
 ALPHA = 4.927
 CLG = 0.500



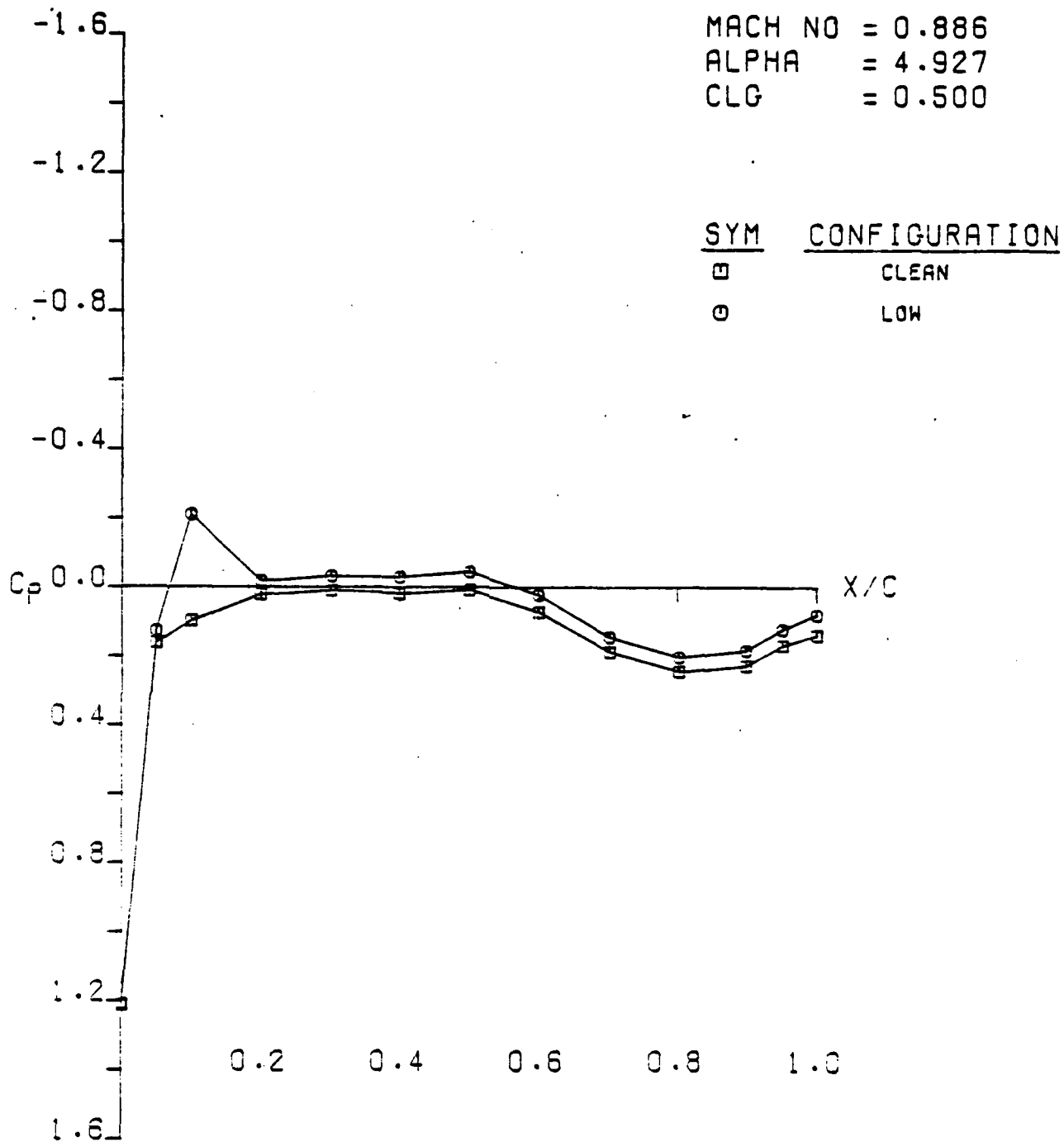
LOCKHEED CFWT SEMI-SPAN TEST, RUN 46
 CLN VS LOW (LWR SURF ETA .10)
 NUMERICALLY OPTIMIZED WING C



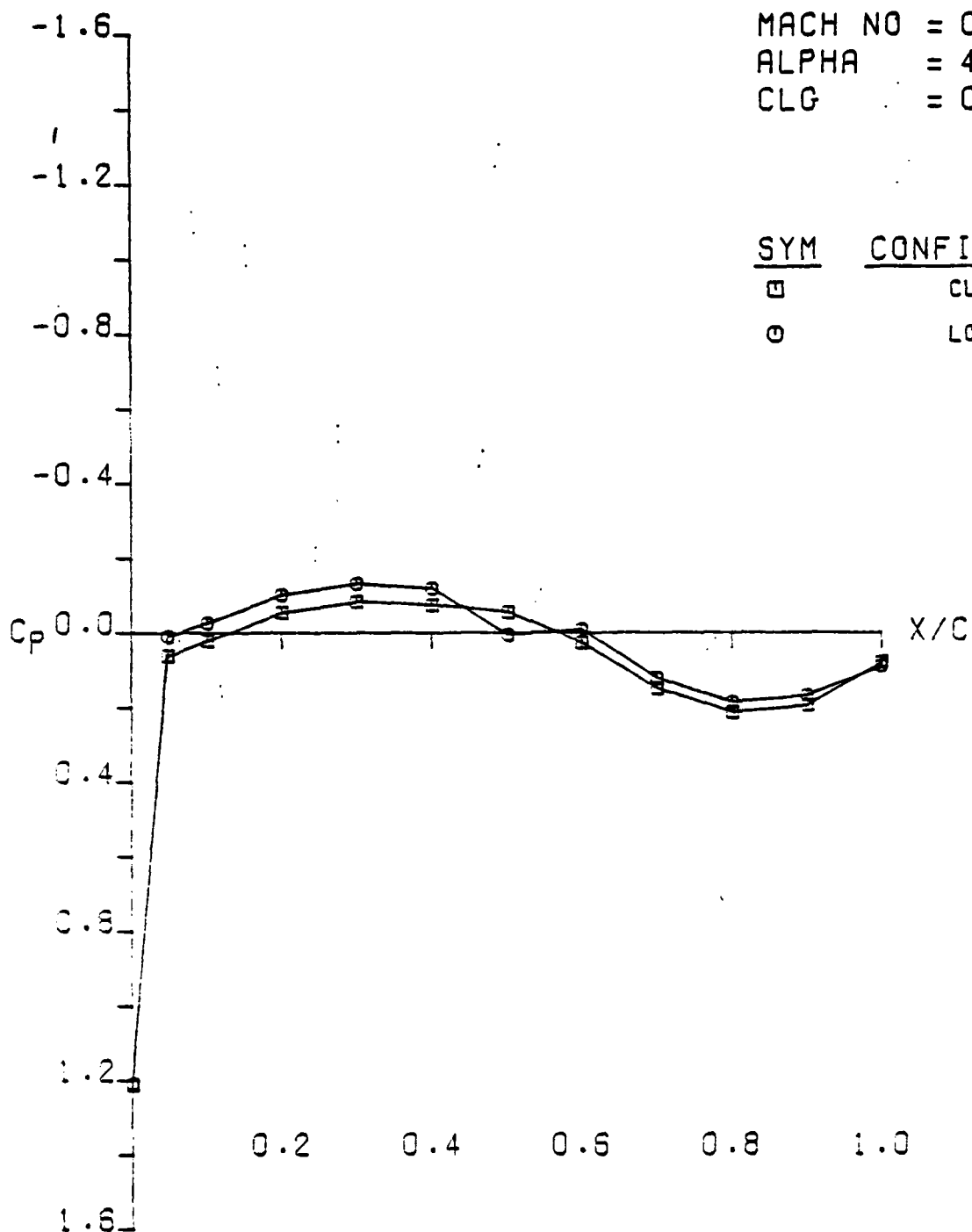
LOCKHEED CFWT SEMI-SPAN TEST, RUN 46
CLN VS LOW (LWR SURF ETA .30)
NUMERICALLY OPTIMIZED WING C



LOCKHEED CFWT SEMI-SPAN TEST, RUN 46
CLN VS LOW (LWR SURF ETA .50)
NUMERICALLY OPTIMIZED WING C



LOCKHEED CFWT SEMI-SPAN TEST, RUN 46
CLN VS LOW (LWR SURF ETA .70)
NUMERICALLY OPTIMIZED WING C



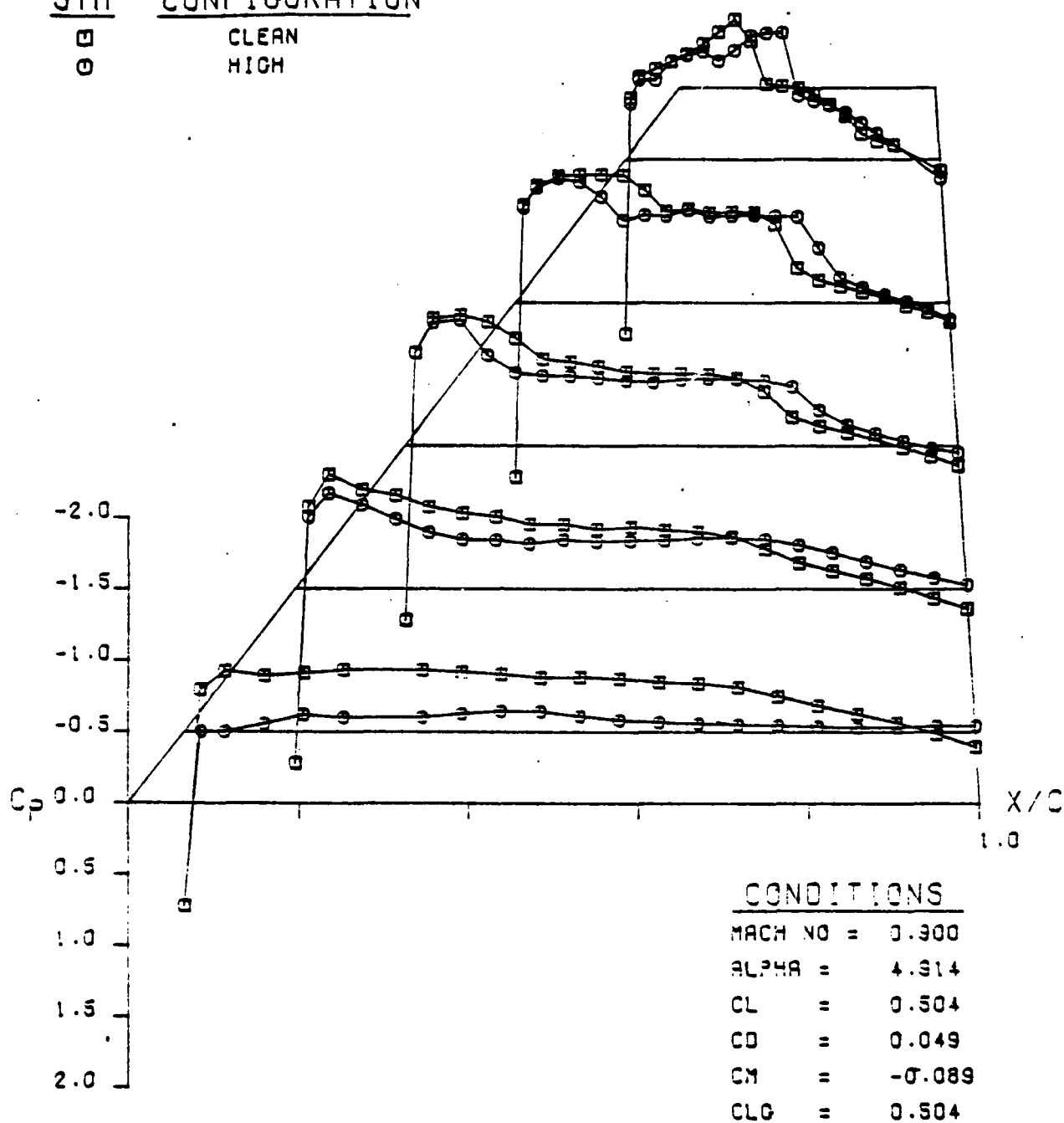
MACH NO = 0.886
 ALPHA = 4.927
 CLG = 0.500

SYM	CONFIGURATION
□	CLEAN
○	LOW

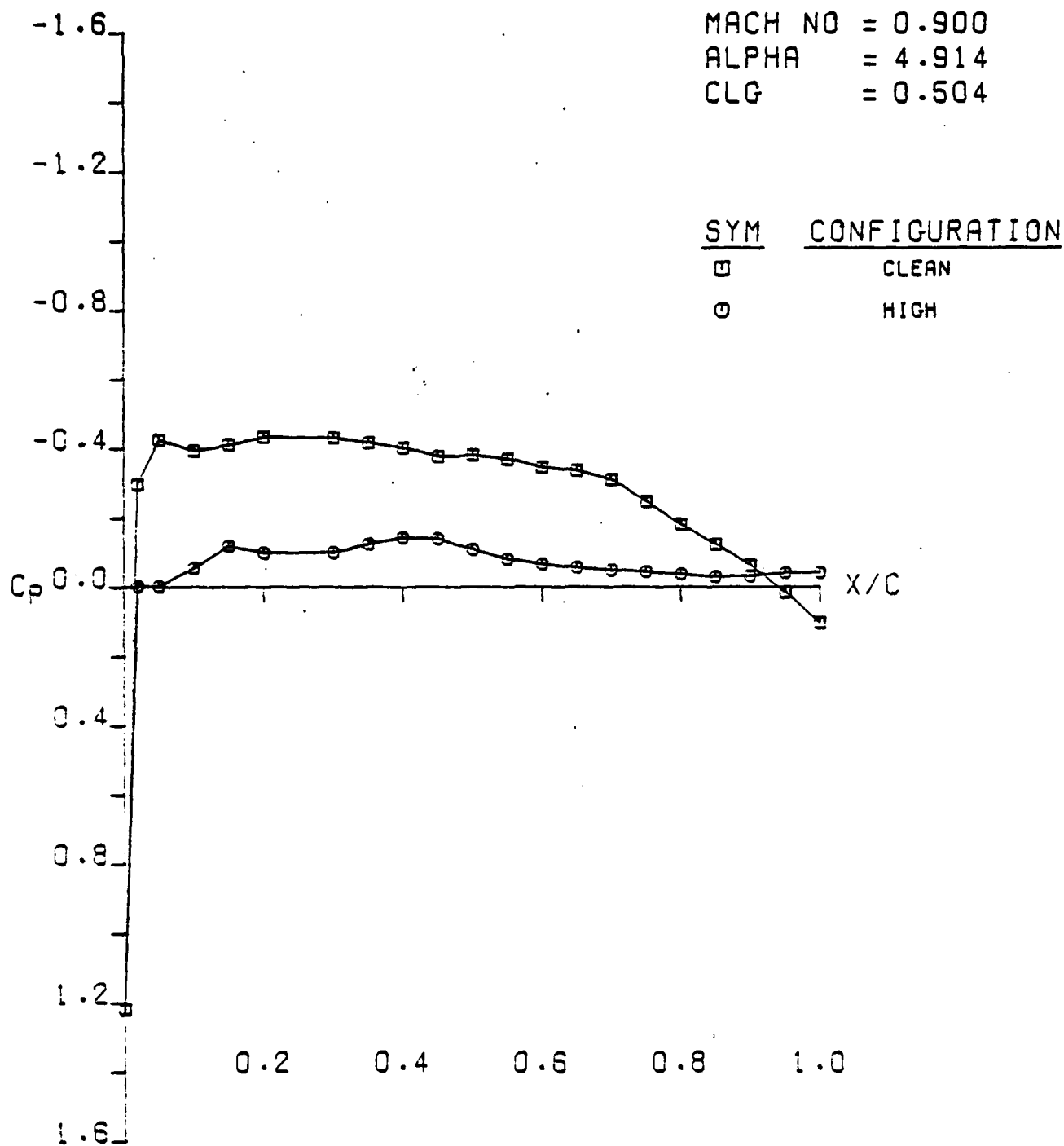
LOCKHEED CFWT SEMI-SPAN TEST, RUN 46
 CLN VS LOW (LWR SURF ETA .90)
 NUMERICALLY OPTIMIZED WING C

SYM CONFIGURATION

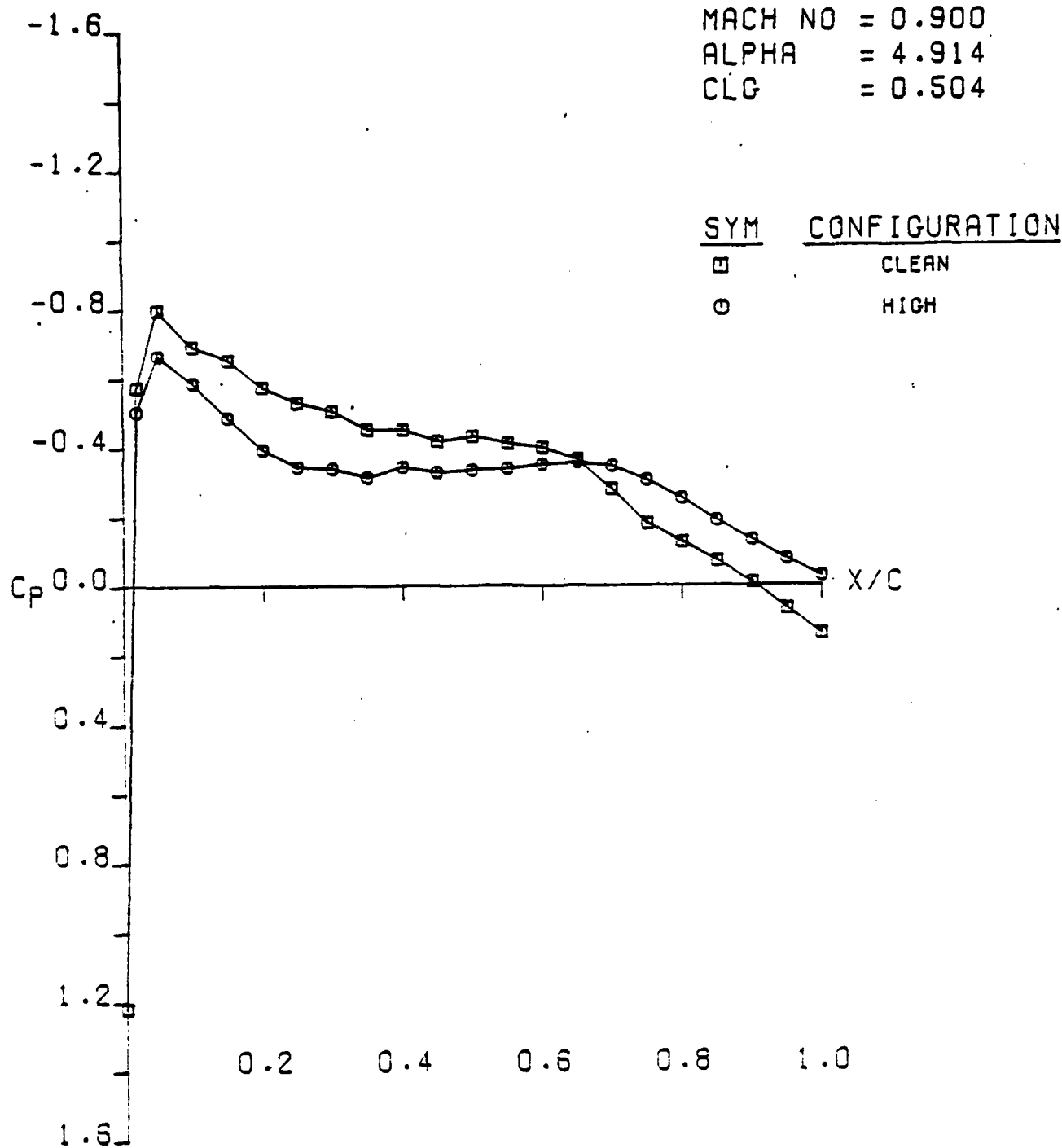
□ CLEAN
○ HIGH



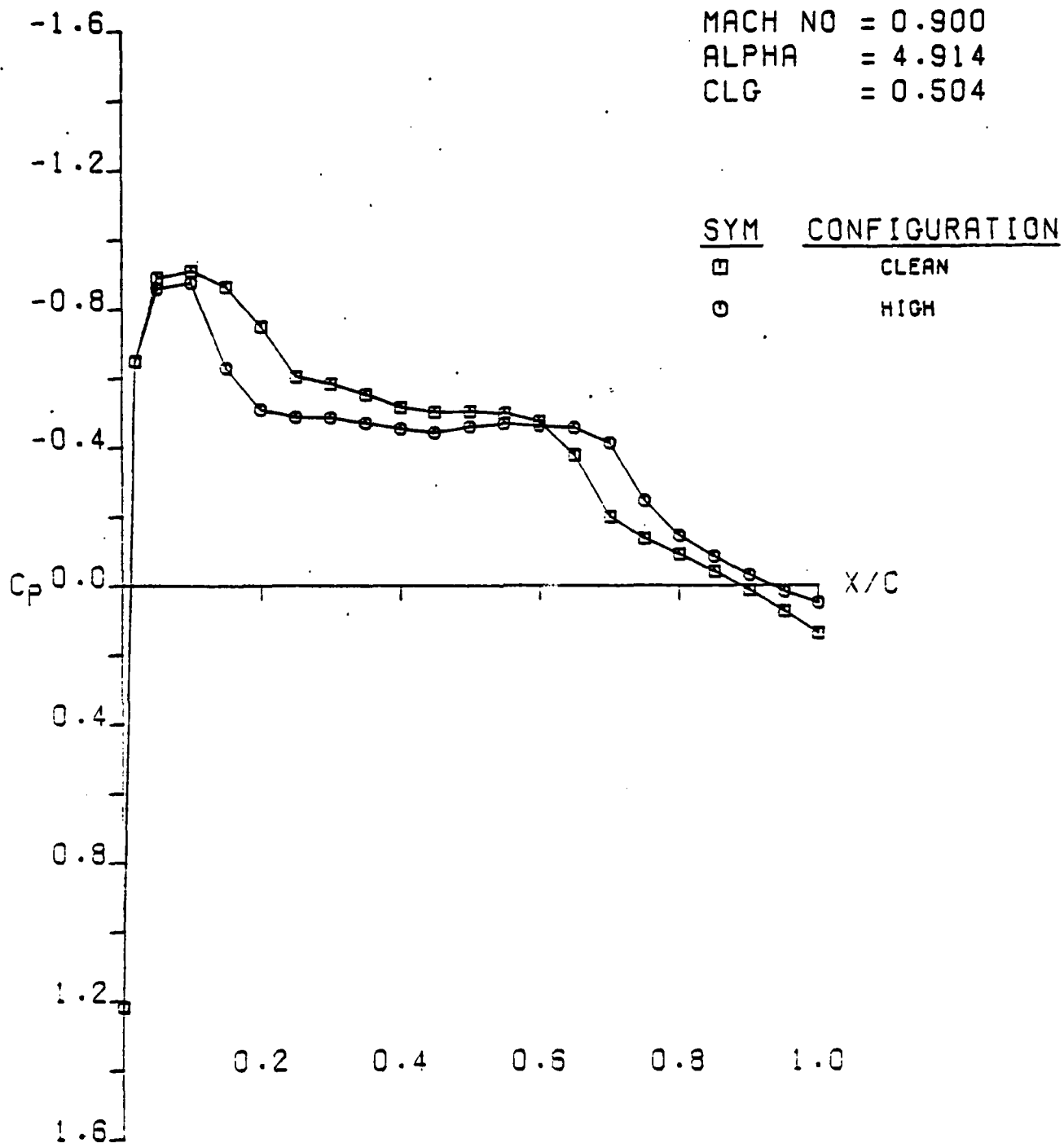
LOGARITHMIC CURVE-OF-AN TEST, RUN 55
CLN VS HIGH (UPR SURF)
NUMERICALLY OPTIMIZED WING C



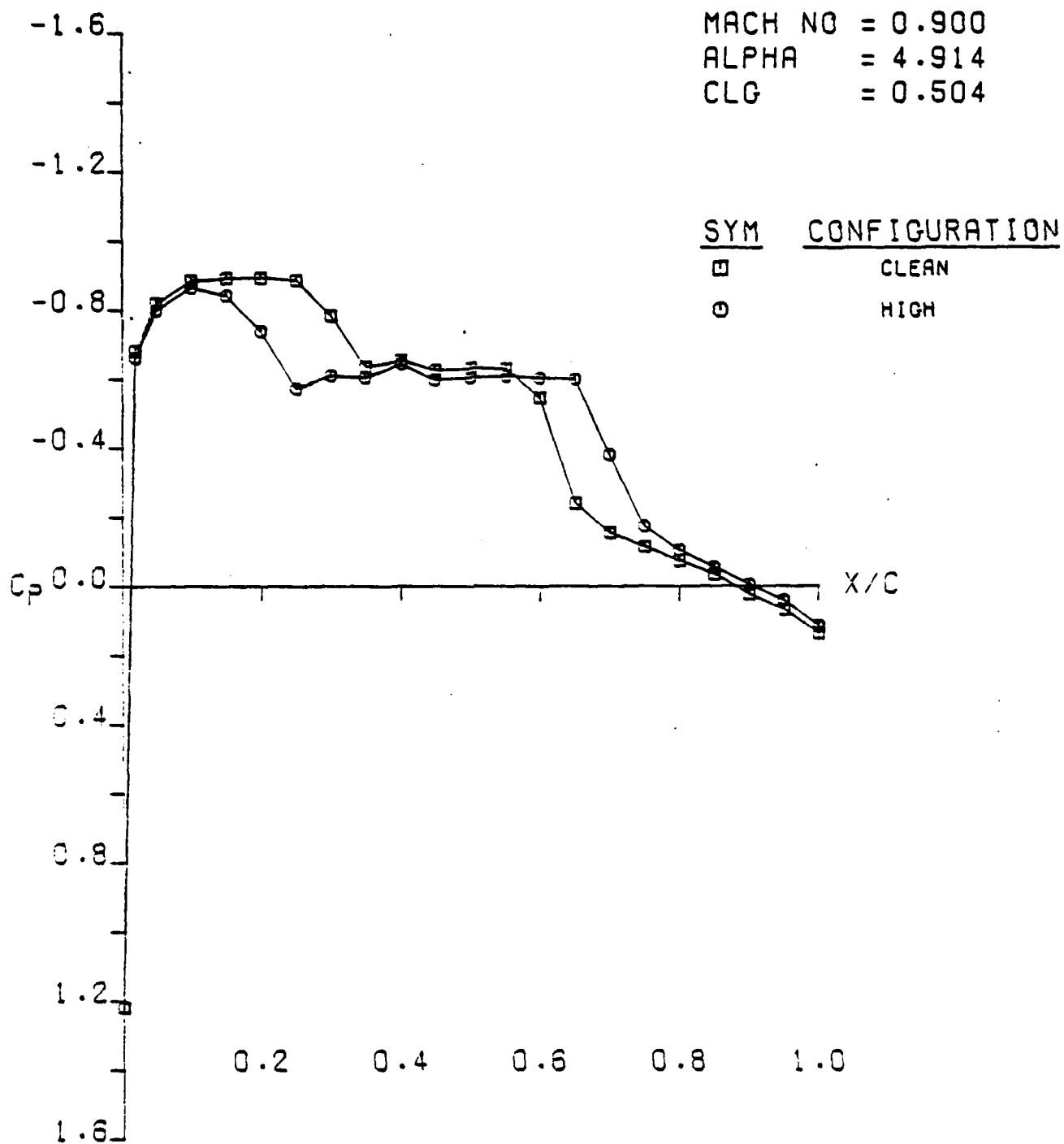
LOCKHEED CFWT SEMI-SPAN TEST, RUN 53
CLN VS HIGH (UPR SURF ETA .10)
NUMERICALLY OPTIMIZED WING C



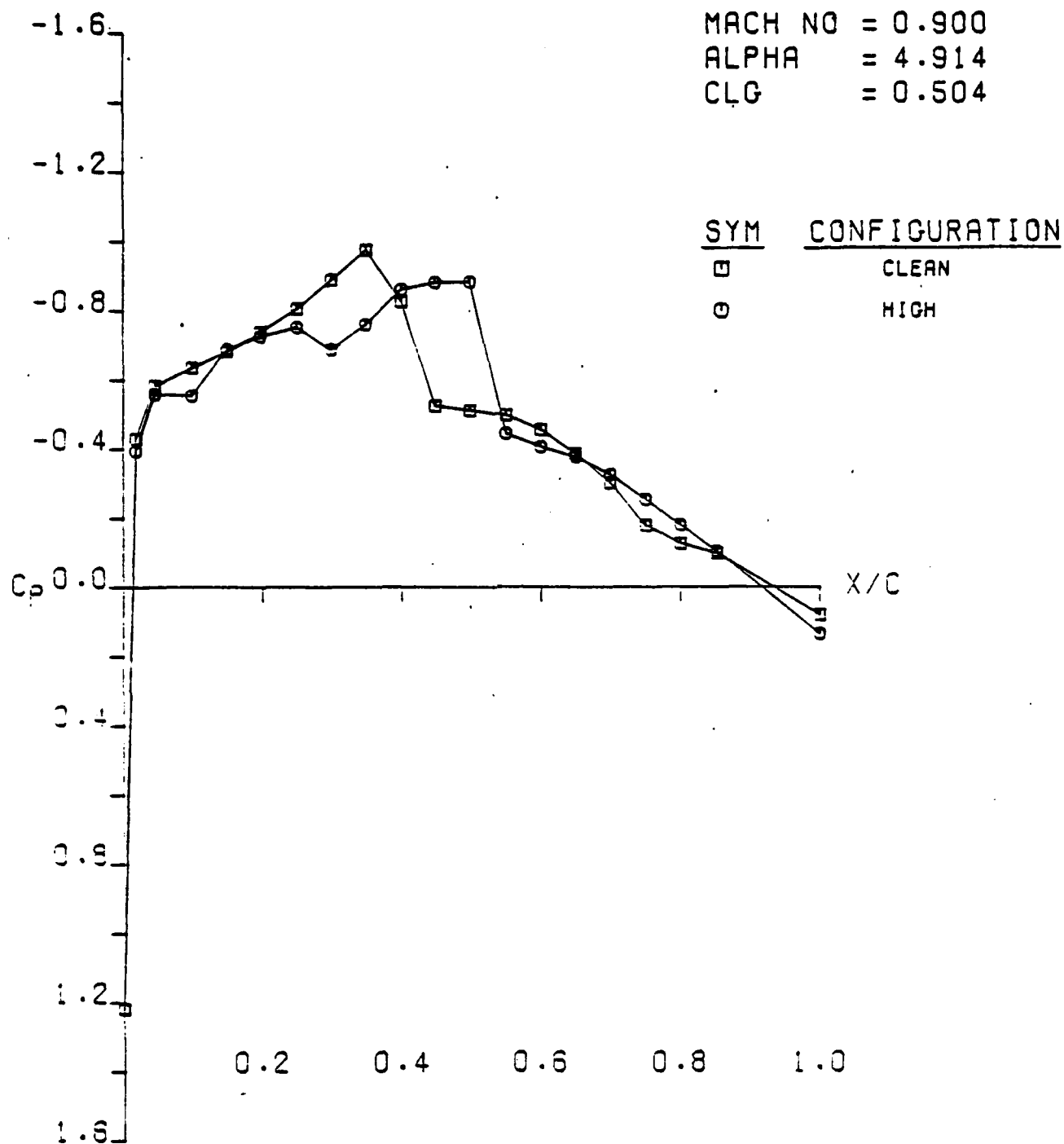
LOCKHEED CFWT SEMI-SPAN TEST, RUN 53
CLN VS HIGH (UPR SURF ETA .30)
NUMERICALLY OPTIMIZED WING C



LOCKHEED CFWT SEMI-SPAN TEST, RUN 53
CLN VS HIGH (UPR SURF ETA .50)
NUMERICALLY OPTIMIZED WING C



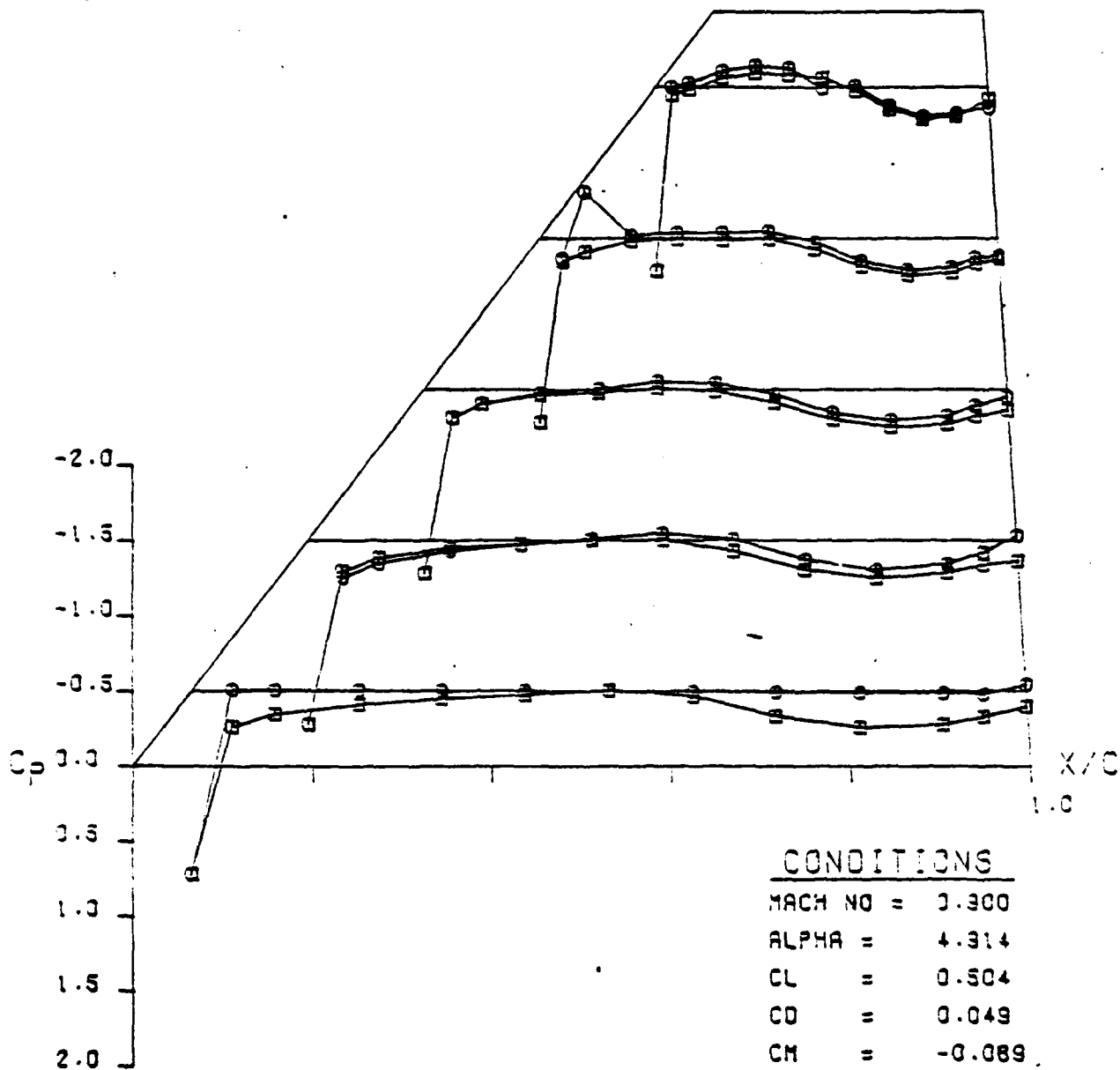
LOCKHEED CFWT SEMI-SPAN TEST, RUN 53
CLN VS HIGH (UPR SURF ETA .70)
NUMERICALLY OPTIMIZED WING C



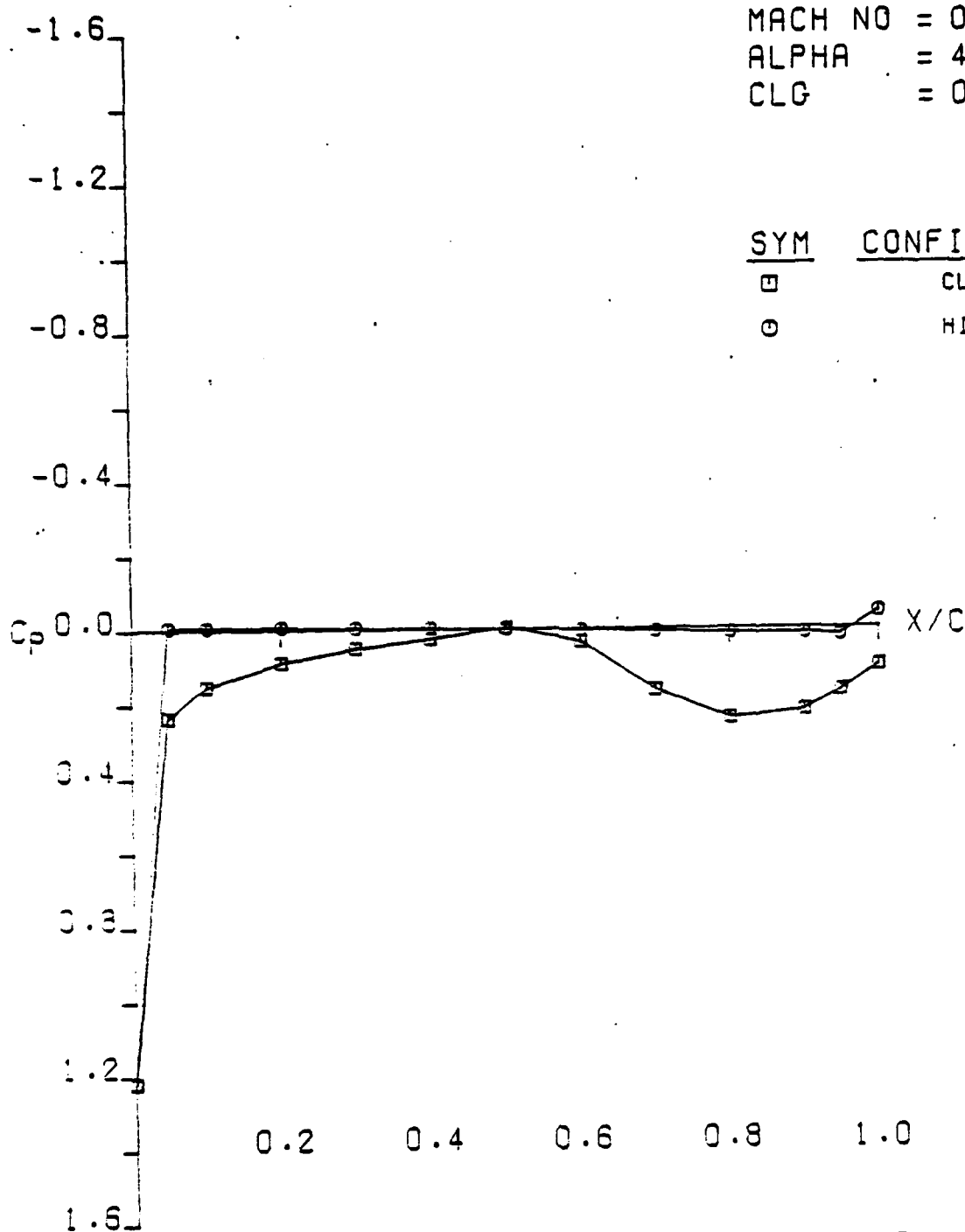
LOCKHEED CFWT SEMI-SPAN TEST, RUN 53
 CLN VS HIGH (UPR SURF ETA .90)
 NUMERICALLY OPTIMIZED WING C

SYM CONFIGURATION

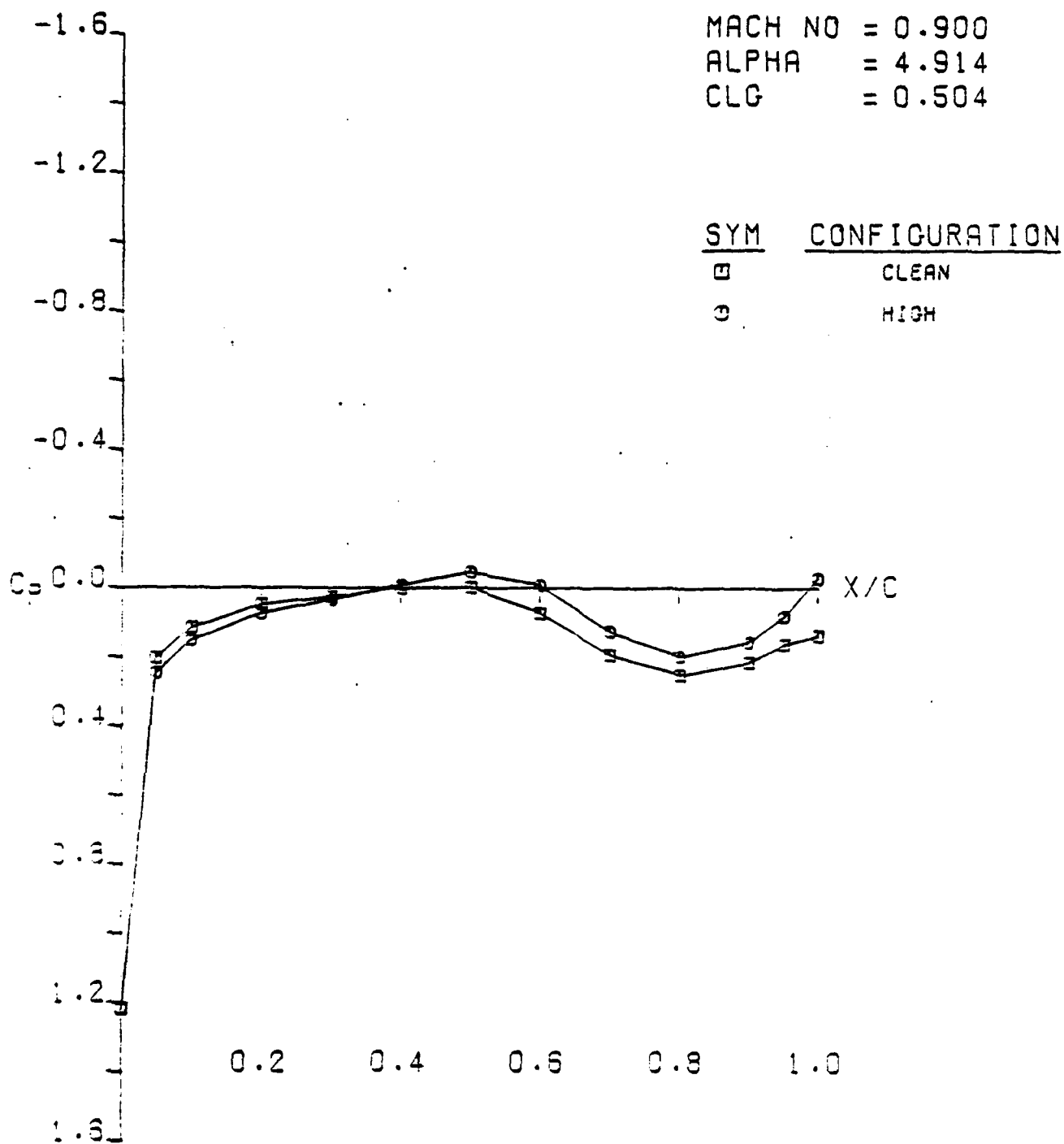
□ CLEAN
○ HIGH

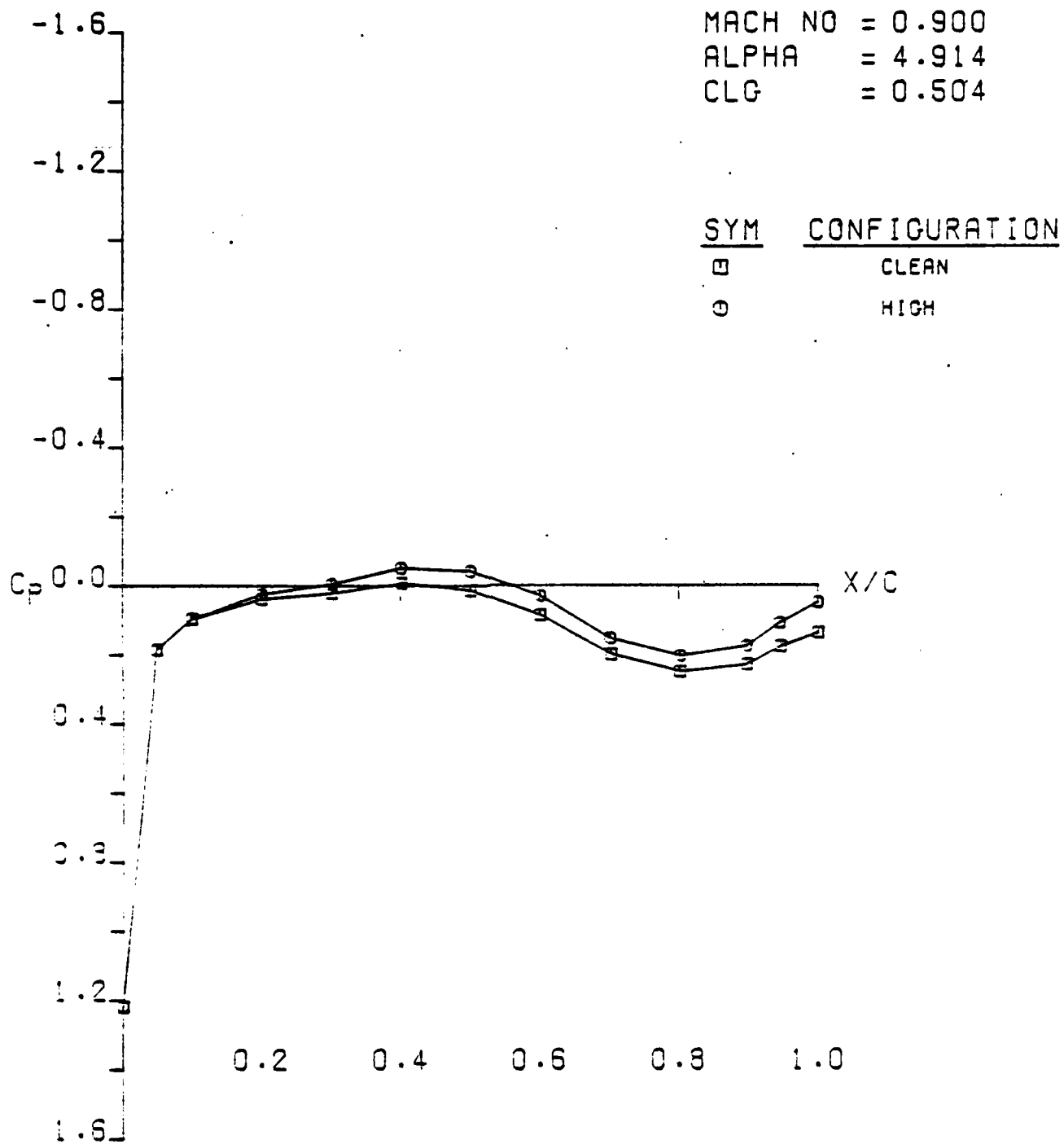


LOCKHEED CFWT SEMI-SPAN TEST, RUN 53
CLN VS HIGH (LWR SURF)
NUMERICALLY OPTIMIZED WING C

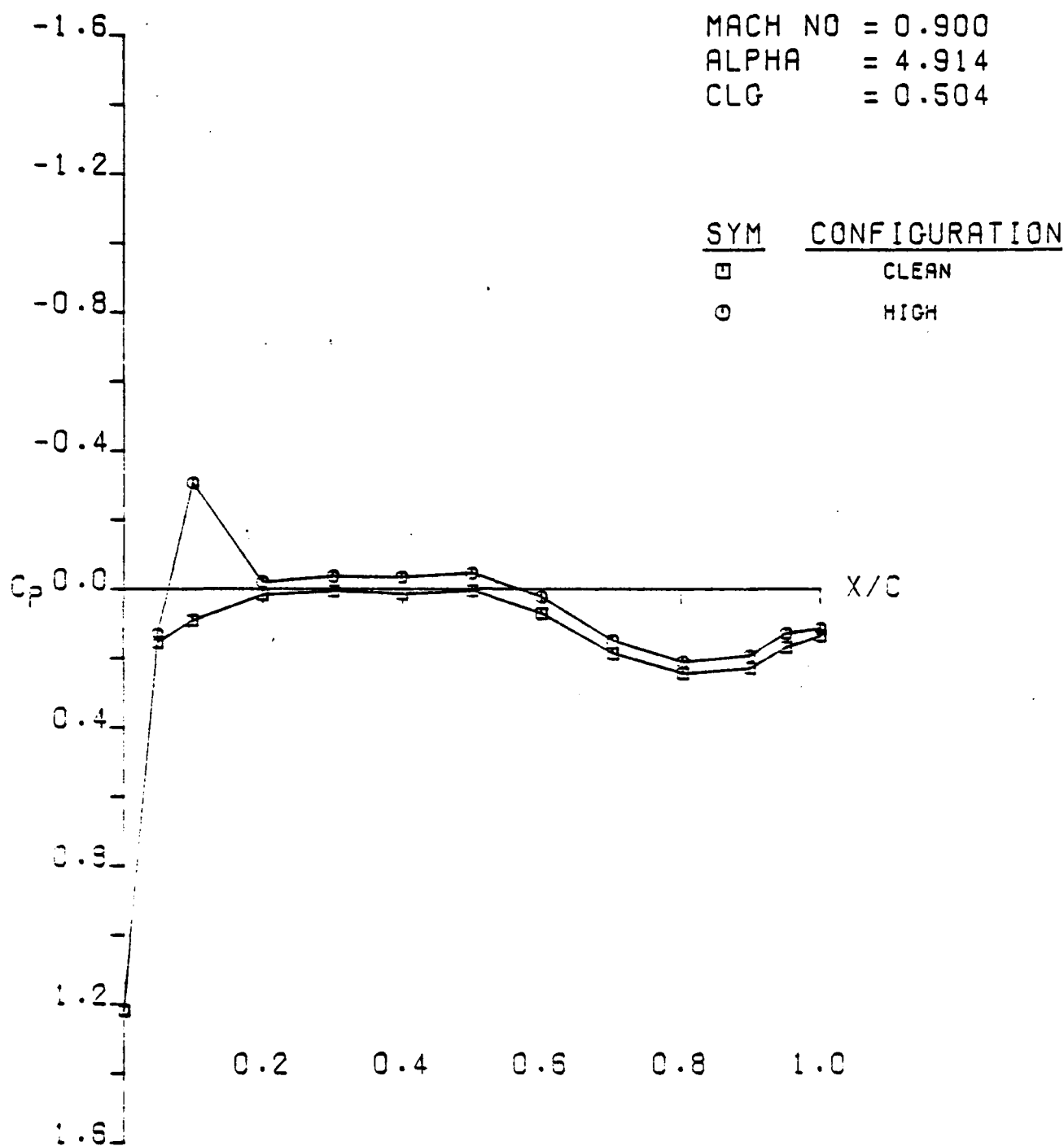


LOCKHEED CFWT SEMI-SPAN TEST, RUN 53
 CLN VS HIGH (LWR SURF ETA .10)
 NUMERICALLY OPTIMIZED WING C

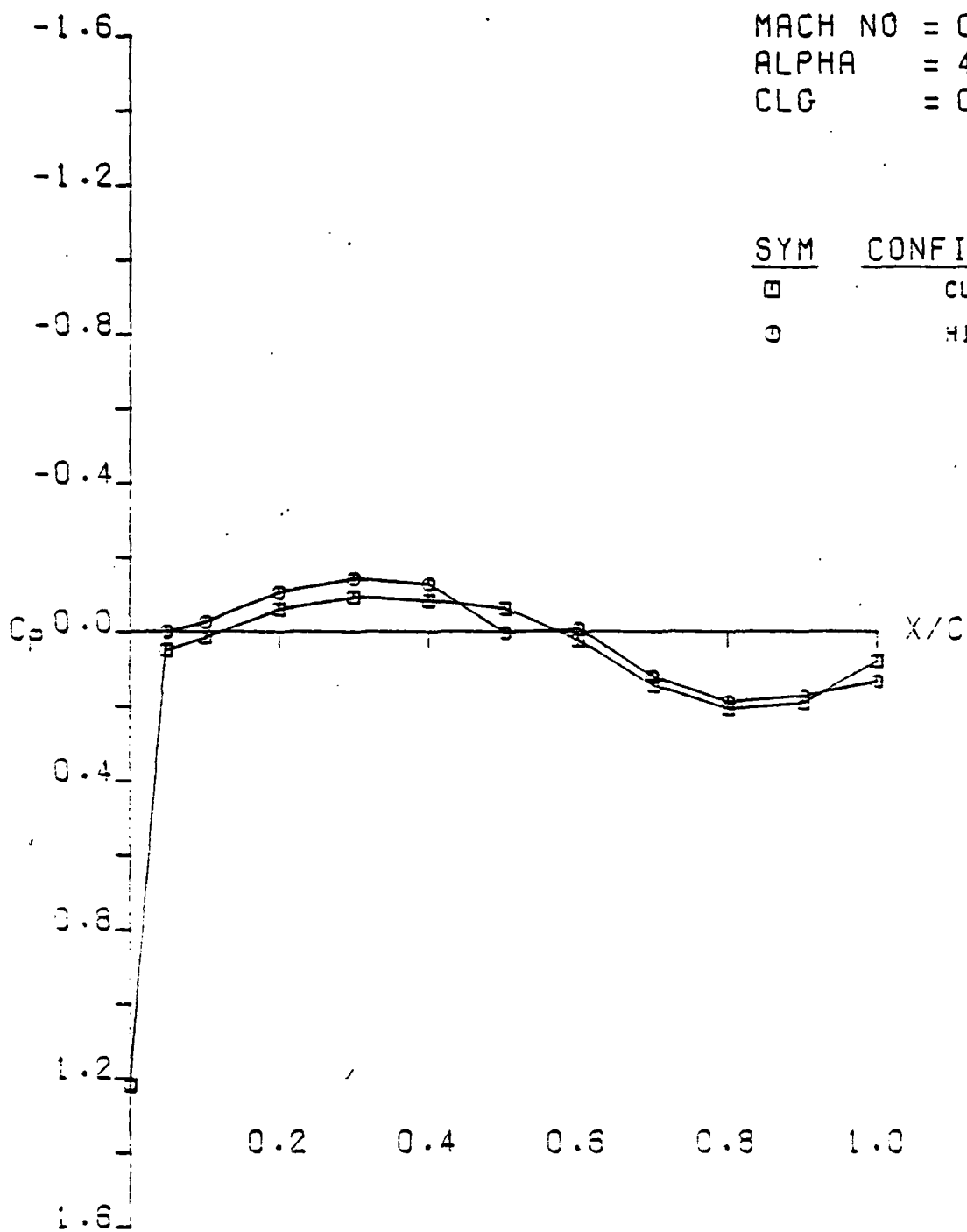




LOCKHEED CPWT SEMI-SPAN TEST, RUN 53
CLN VS HIGH (LWR SURF ETA .50)
NUMERICALLY OPTIMIZED WING C



LOCKHEED CFWT SEMI-SPAN TEST, RUN 53
CLN VS HIGH (LWR SURF ETA .70)
NUMERICALLY OPTIMIZED WING C



MACH NO = 0.900
 ALPHA = 4.914
 CLG = 0.504

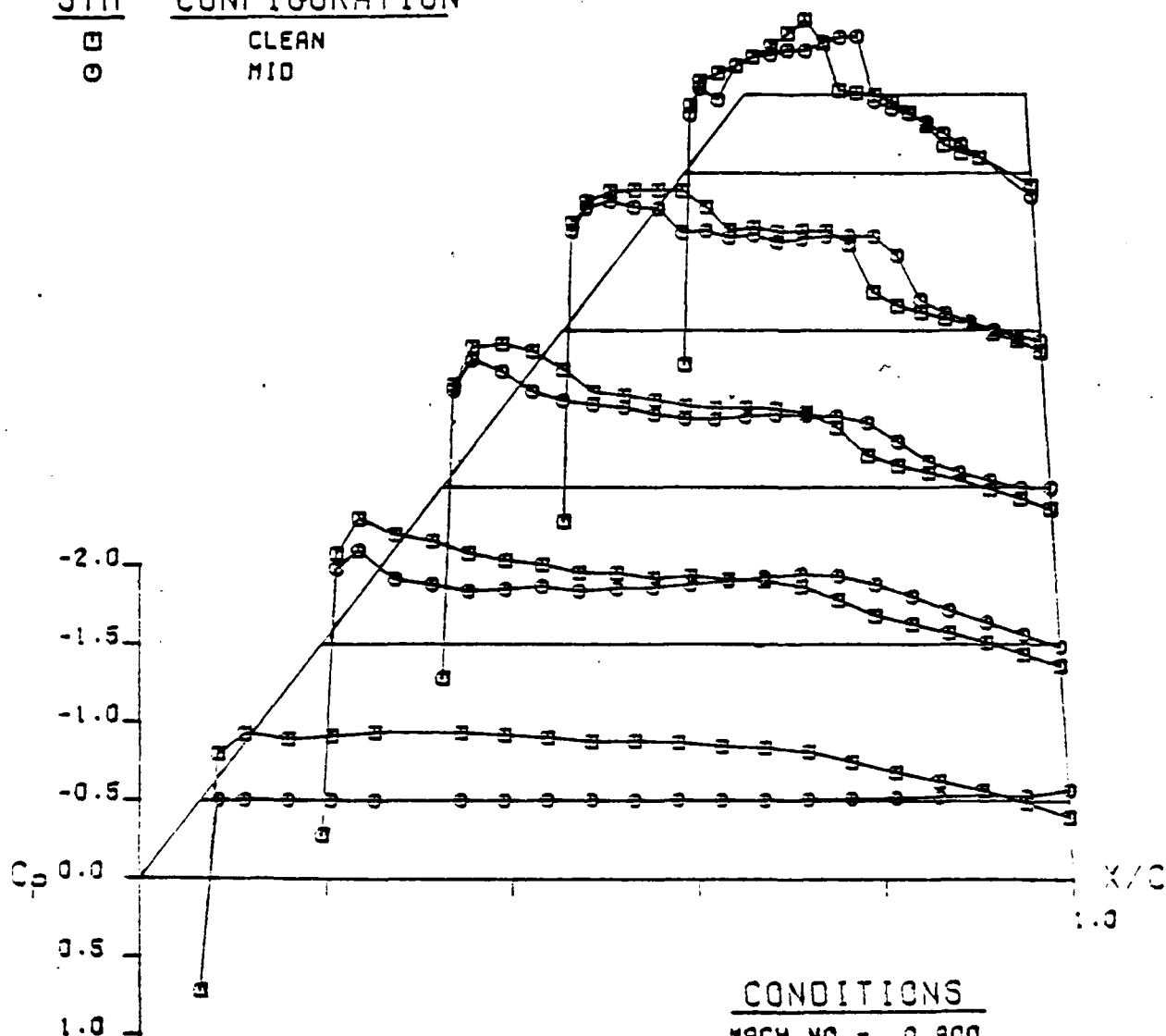
SYM	CONFIGURATION
□	CLEAN
○	HIGH

LOCKHEED CPWT SEMI-SPAN TEST, RUN 53
 CLN VS HIGH (LWR SURF ETA .90)
 NUMERICALLY OPTIMIZED WING C

SYM CONFIGURATION

□
○

CLEAN
MID



CONDITIONS

MACH NO = 0.900

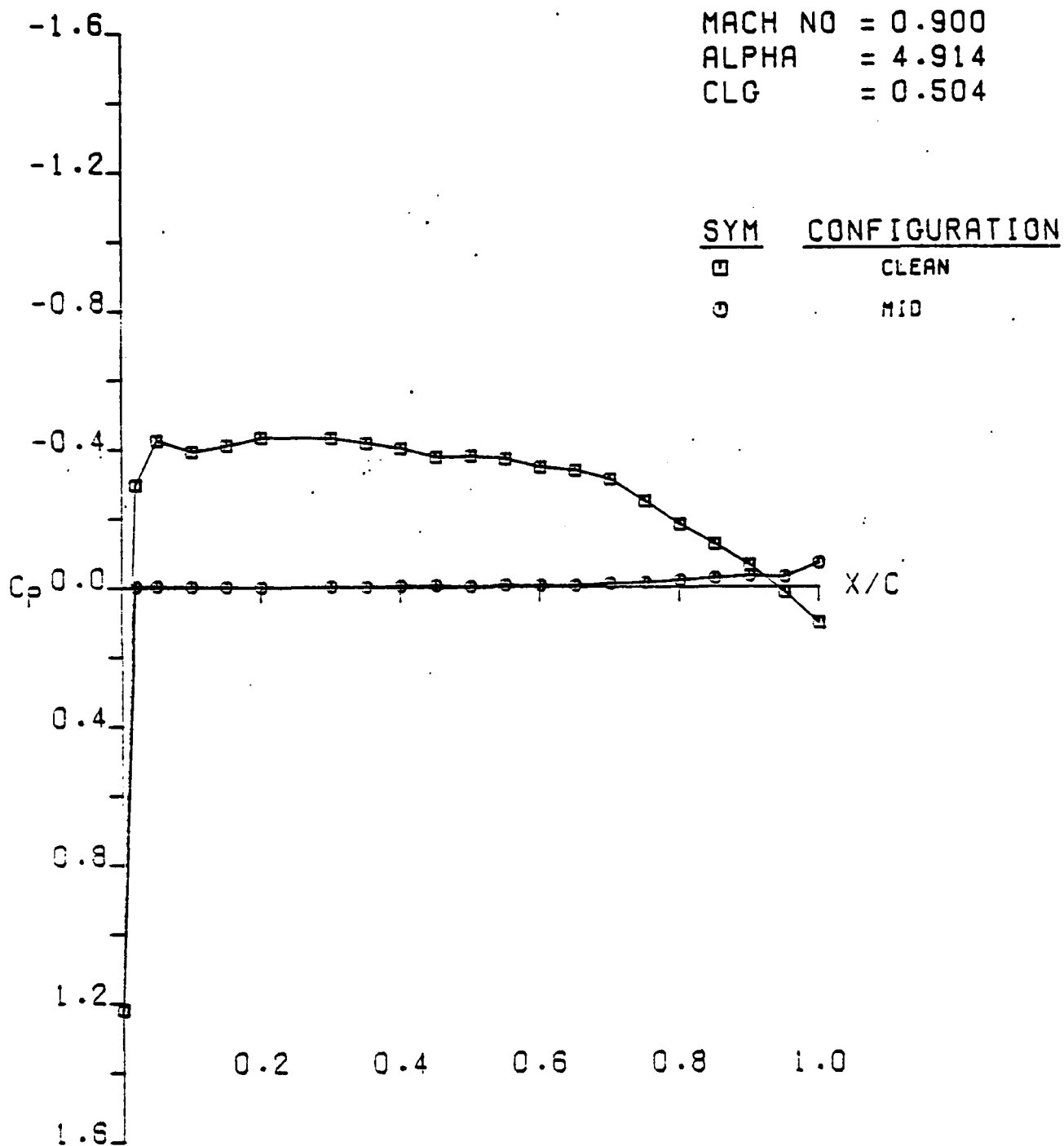
ALPHA = 4.914

CD = 0.049

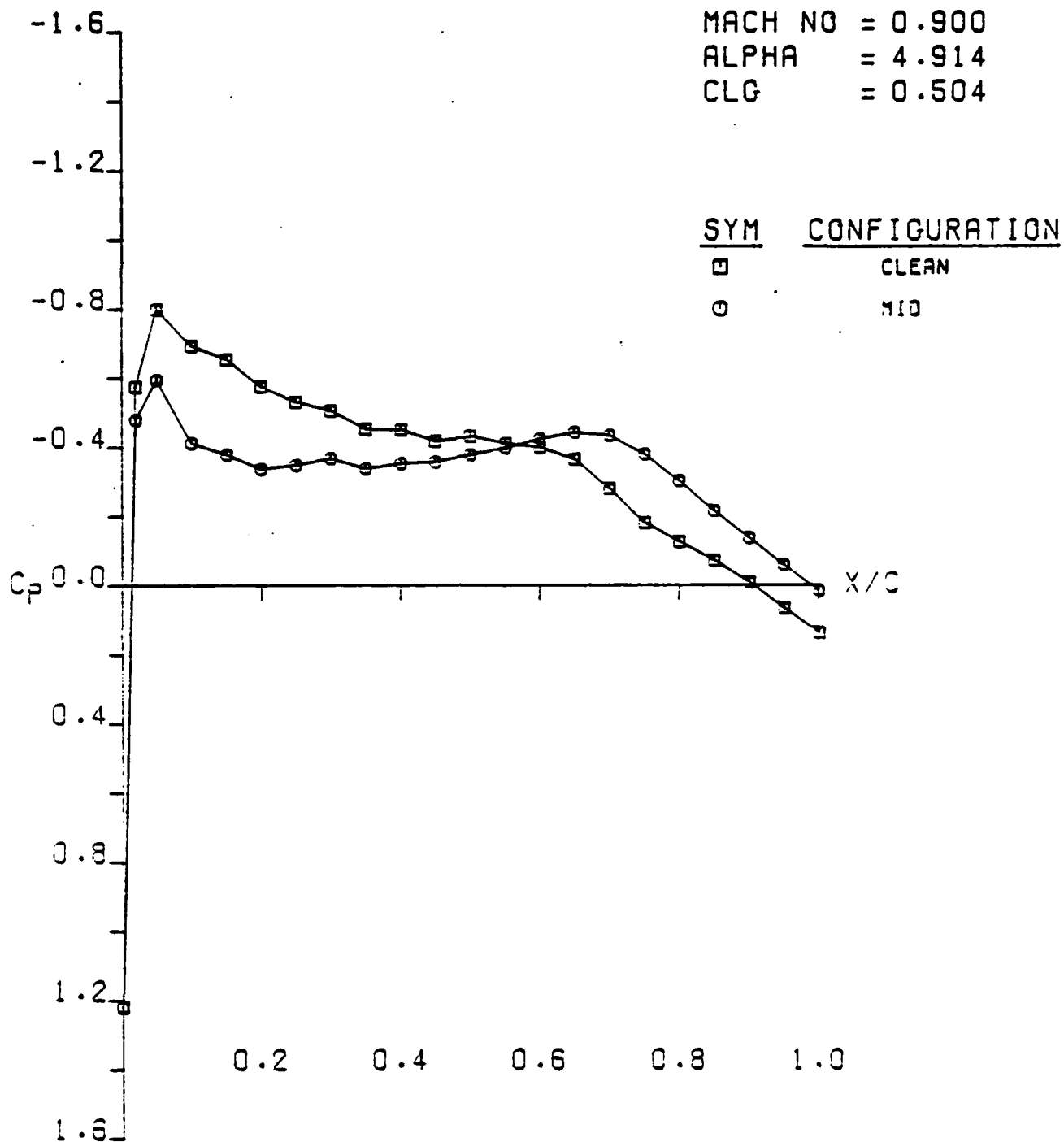
CM = -0.089

CLG = 0.504

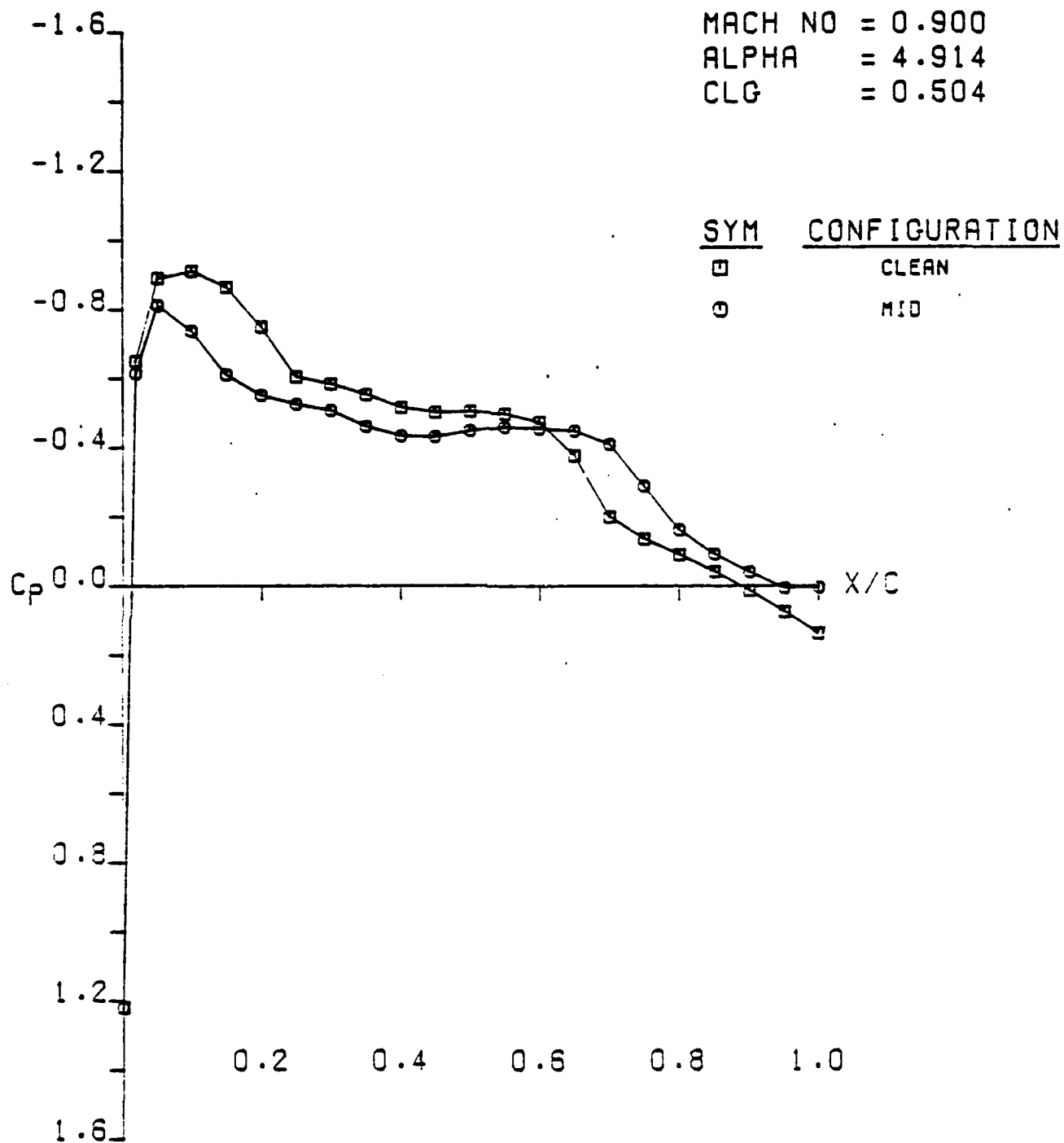
LOCKHEED CFWT SEMI-SPAN TEST, RUN 53
CLN VS MID - NO SEAL (UPR SURF)
NUMERICALLY OPTIMIZED WING C



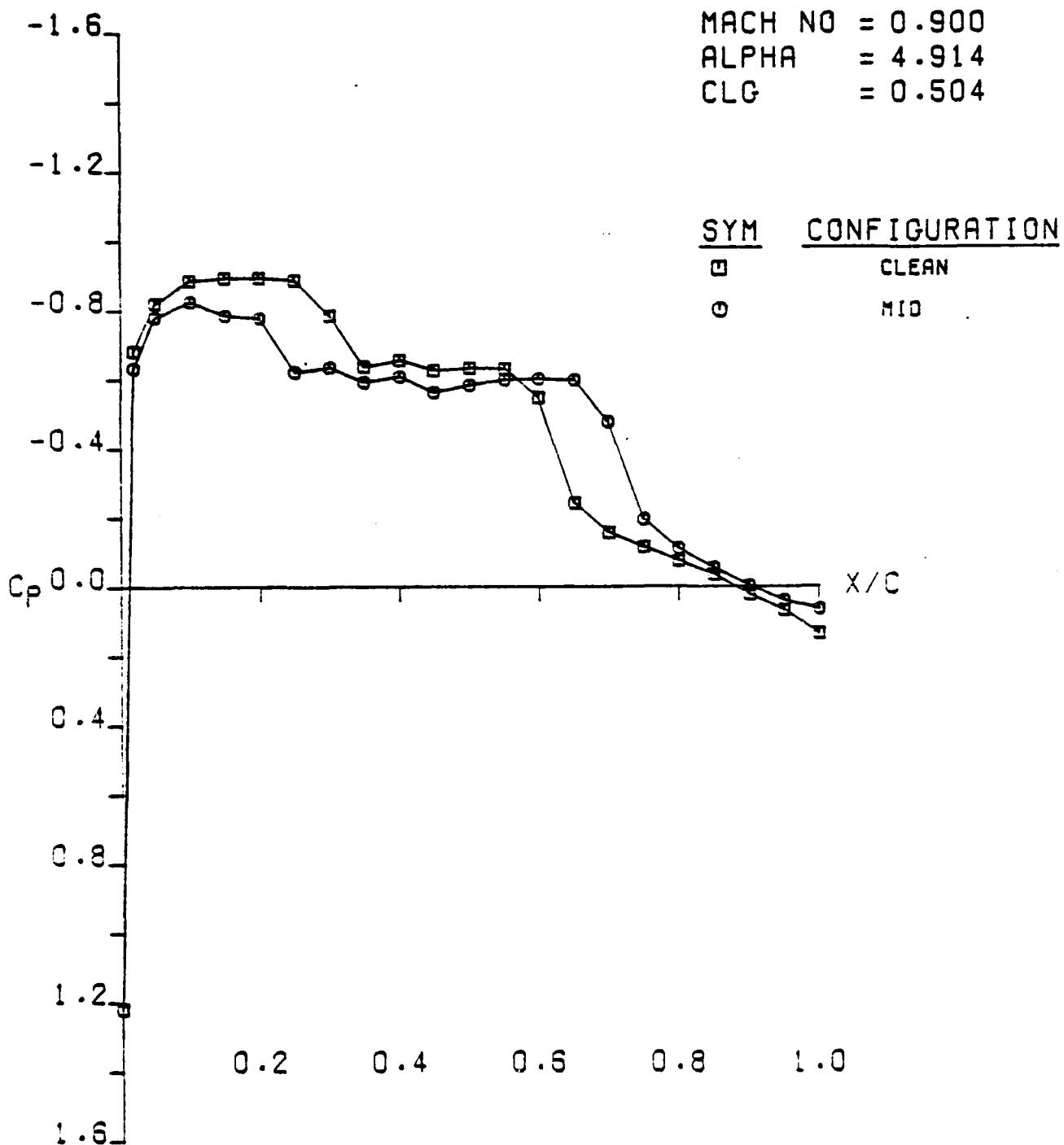
LOCKHEED CFWT SEMI-SPAN TEST, RUN 53
CLN VS MID - NO SEAL (UPR SURF ETA .10)
NUMERICALLY OPTIMIZED WING C



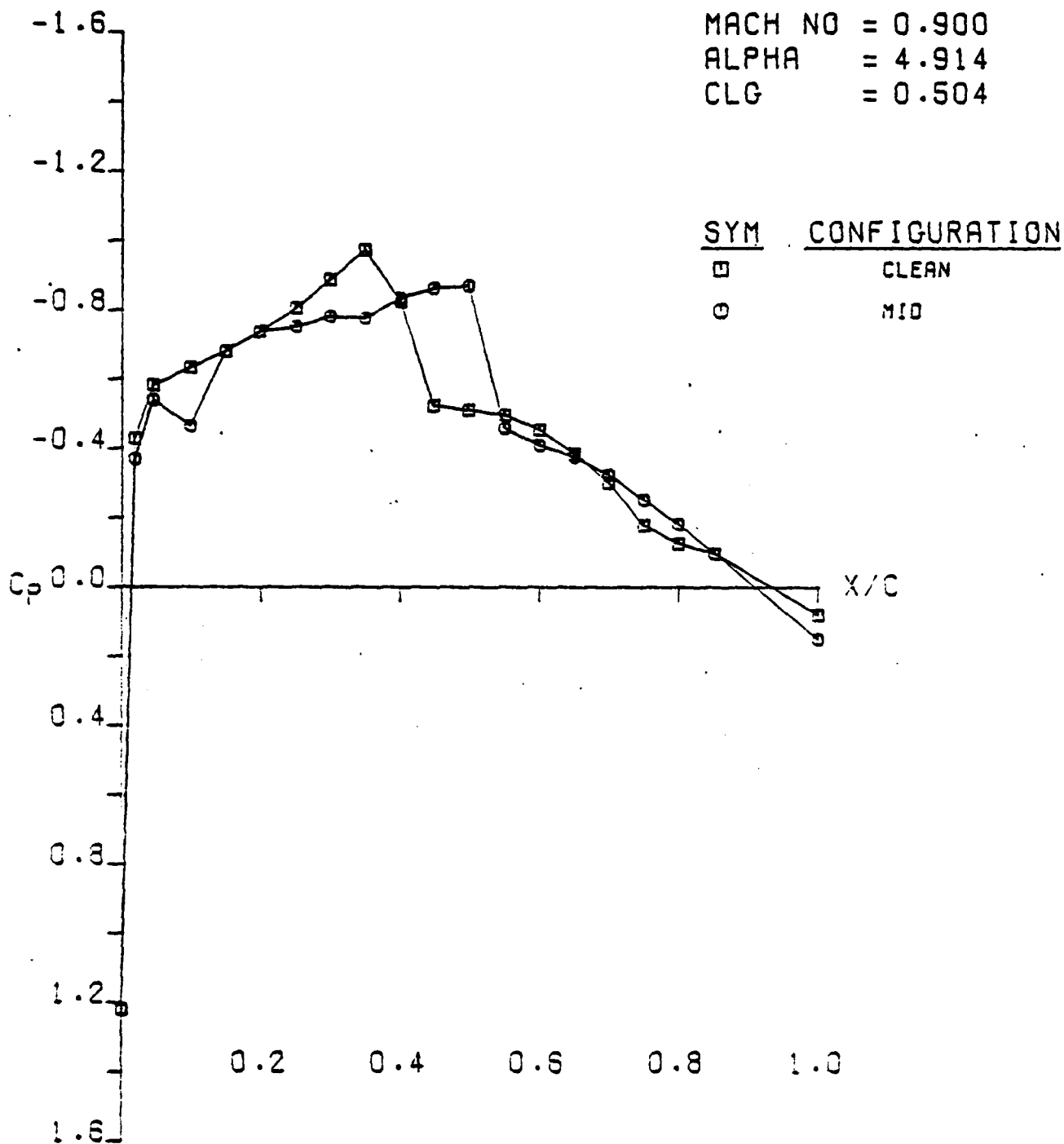
LOCKHEED CFWT SEMI-SPAN TEST, RUN 53
CLN VS MID - NO SEAL (UPR SURF ETA .30)
NUMERICALLY OPTIMIZED WING C



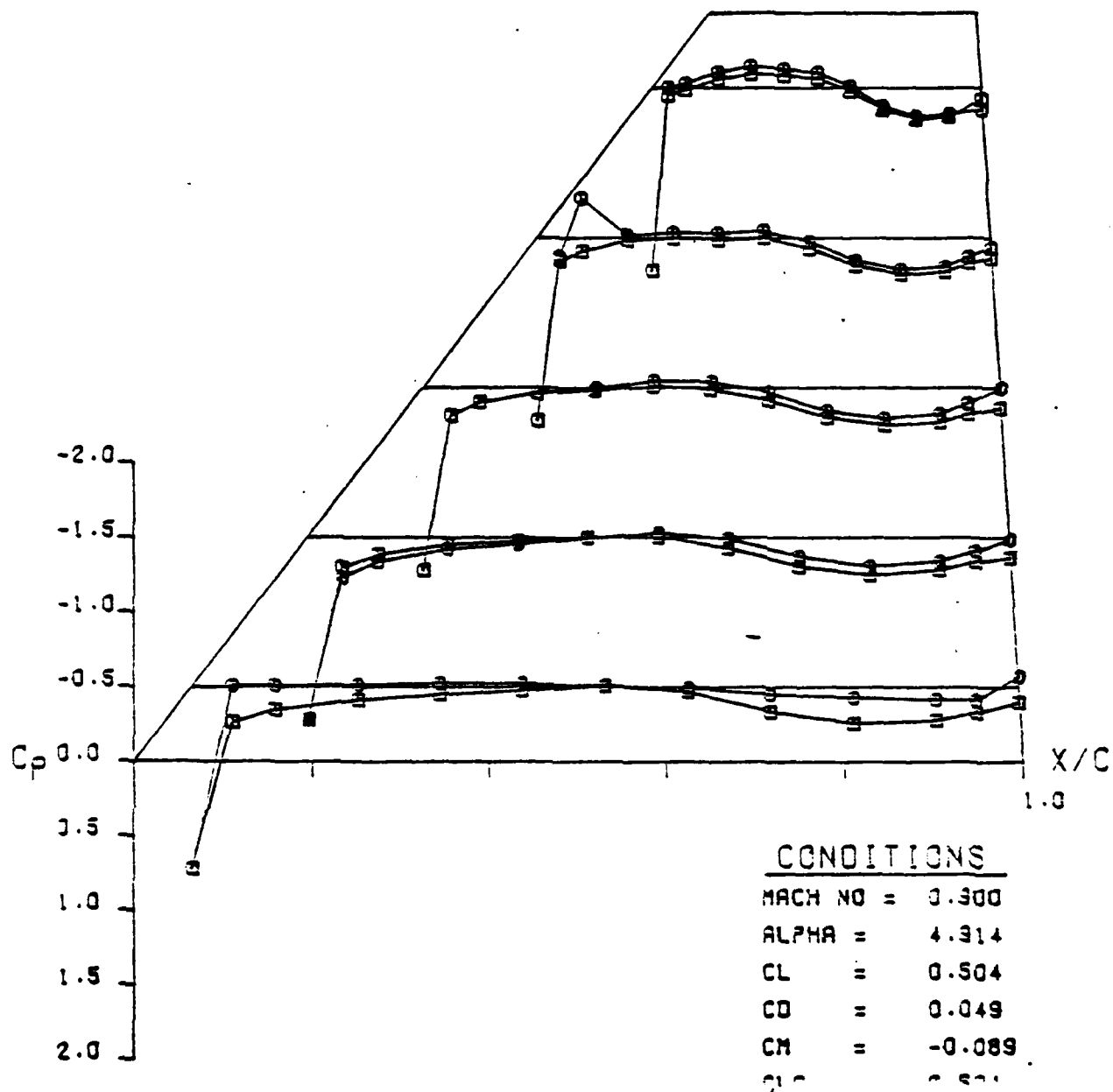
LOCKHEED CFWT SEMI-SPAN TEST, RUN 53
CLN VS MID - NO SEAL (UPR SURF ETA .50)
NUMERICALLY OPTIMIZED WING C



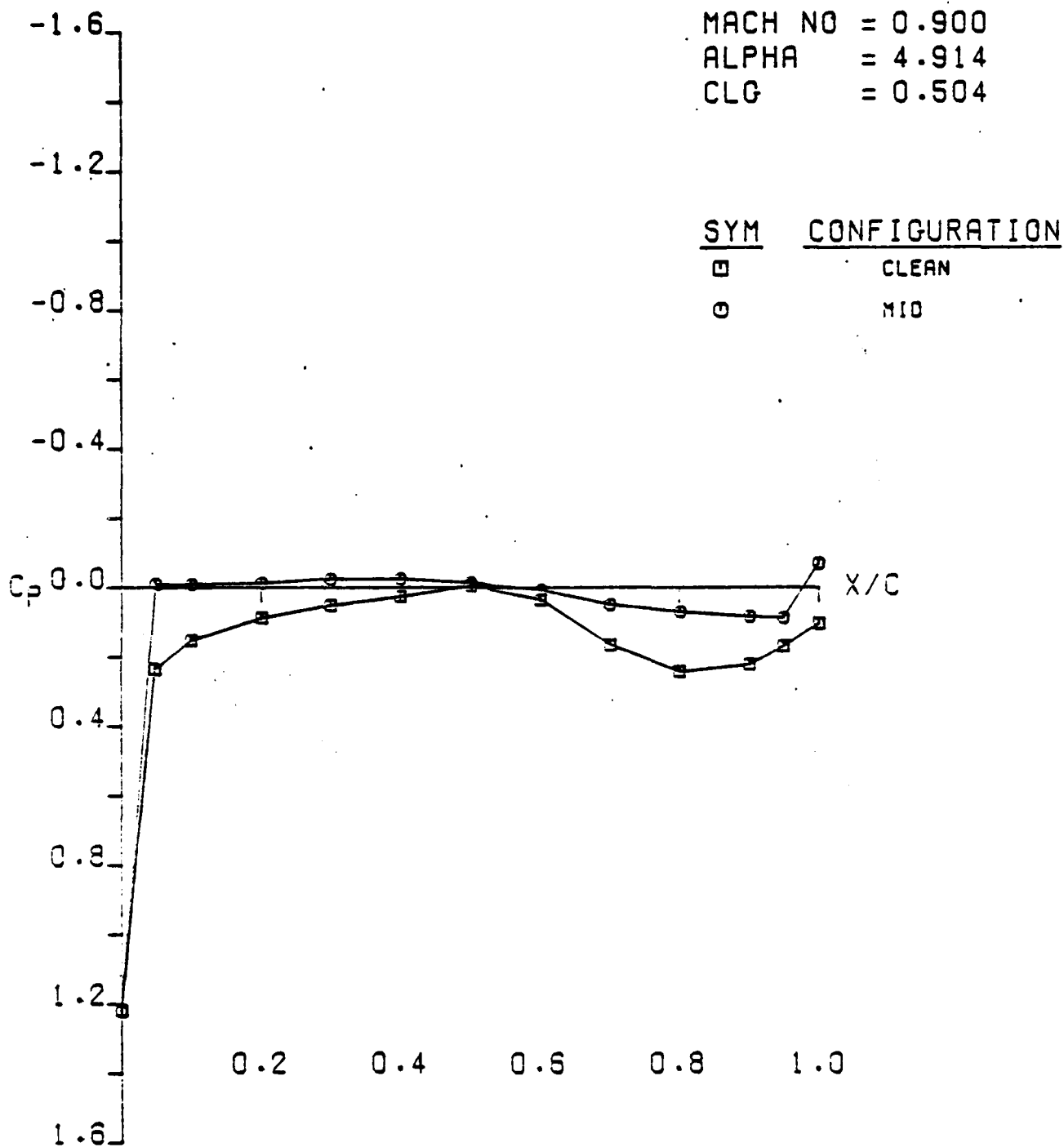
LOCKHEED CFWT SEMI-SPAN TEST, RUN 53
CLN VS MID - NO SEAL (UPR SURF ETA .70)
NUMERICALLY OPTIMIZED WING C



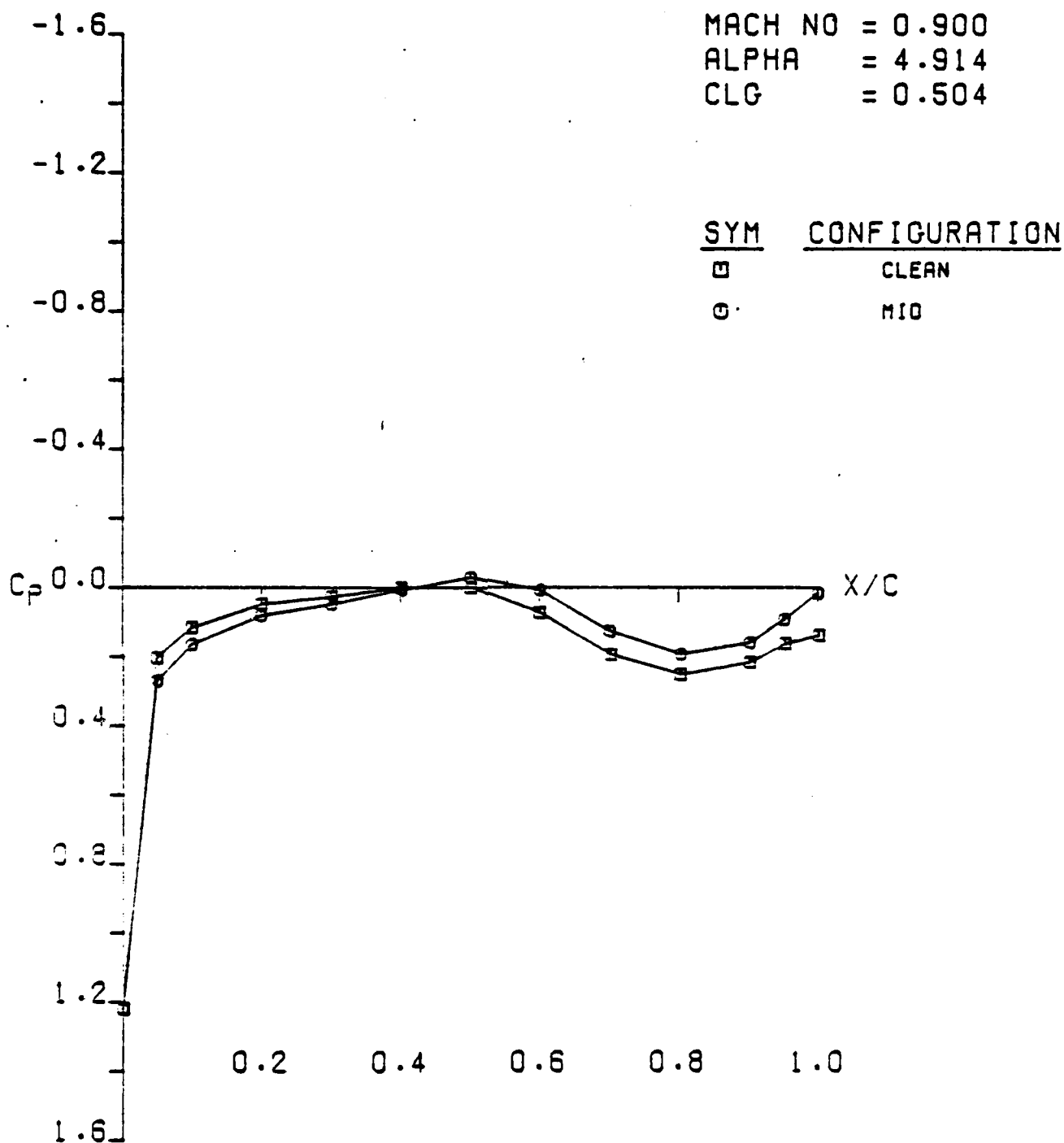
SYM	CONFIGURATION
□	CLEAN
○	MID

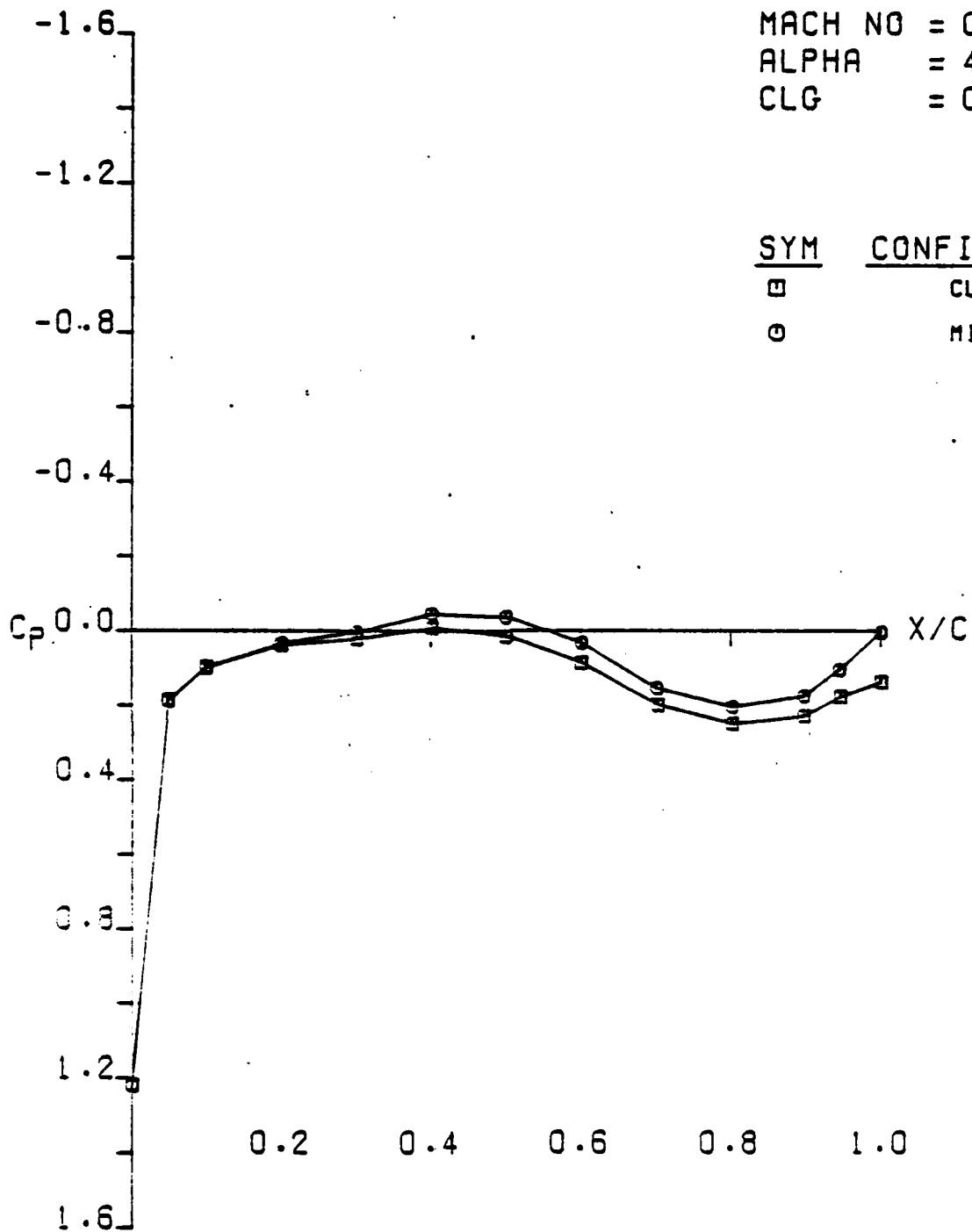


LOCKHEED CFWT SEMI-SPAN TEST, RUN 53
 CLN VS MID - NO SEAL (LWR SURF)
 NUMERICALLY OPTIMIZED WING C



LOCKHEED CFWT SEMI-SPAN TEST, RUN 53
CLN VS MID - NO SEAL (LWR SURF ETA .10)
NUMERICALLY OPTIMIZED WING C





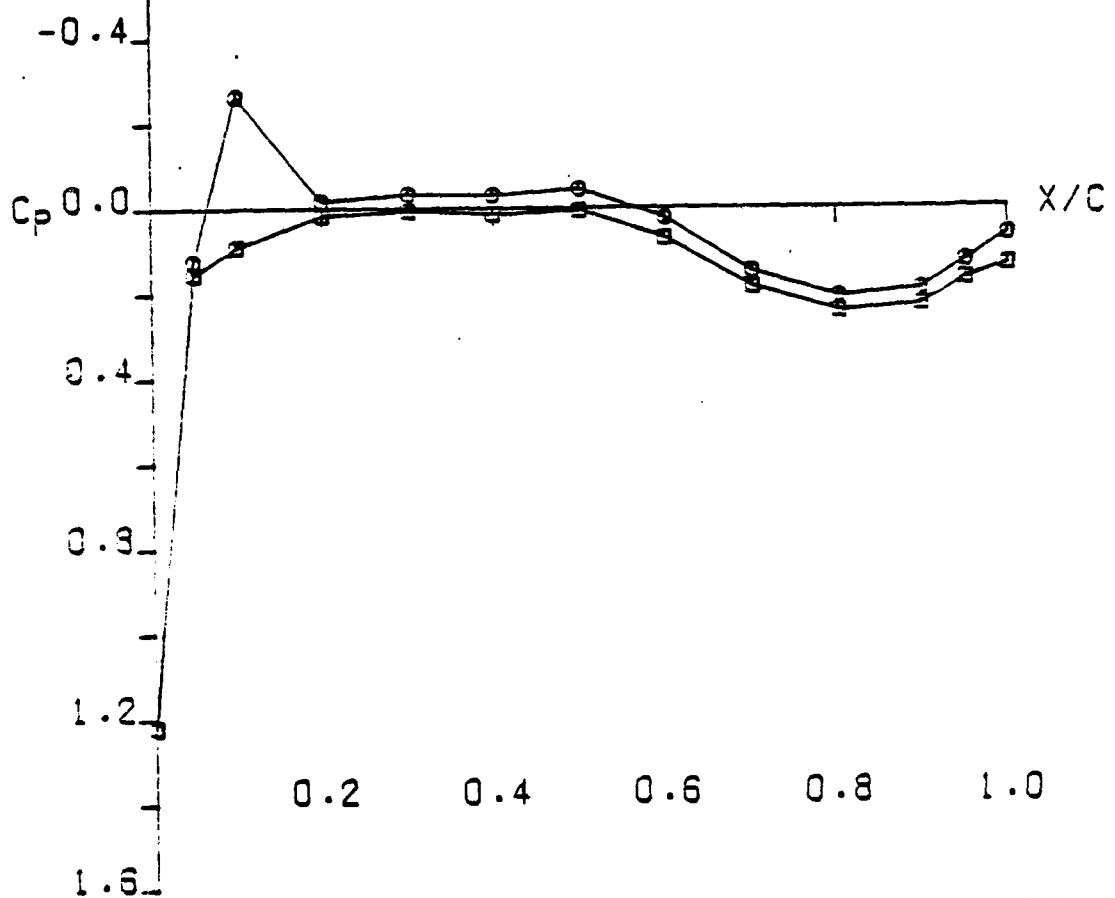
MACH NO = 0.900
 ALPHA = 4.914
 CLG = 0.504

SYM	CONFIGURATION
□	CLEAN
○	MID

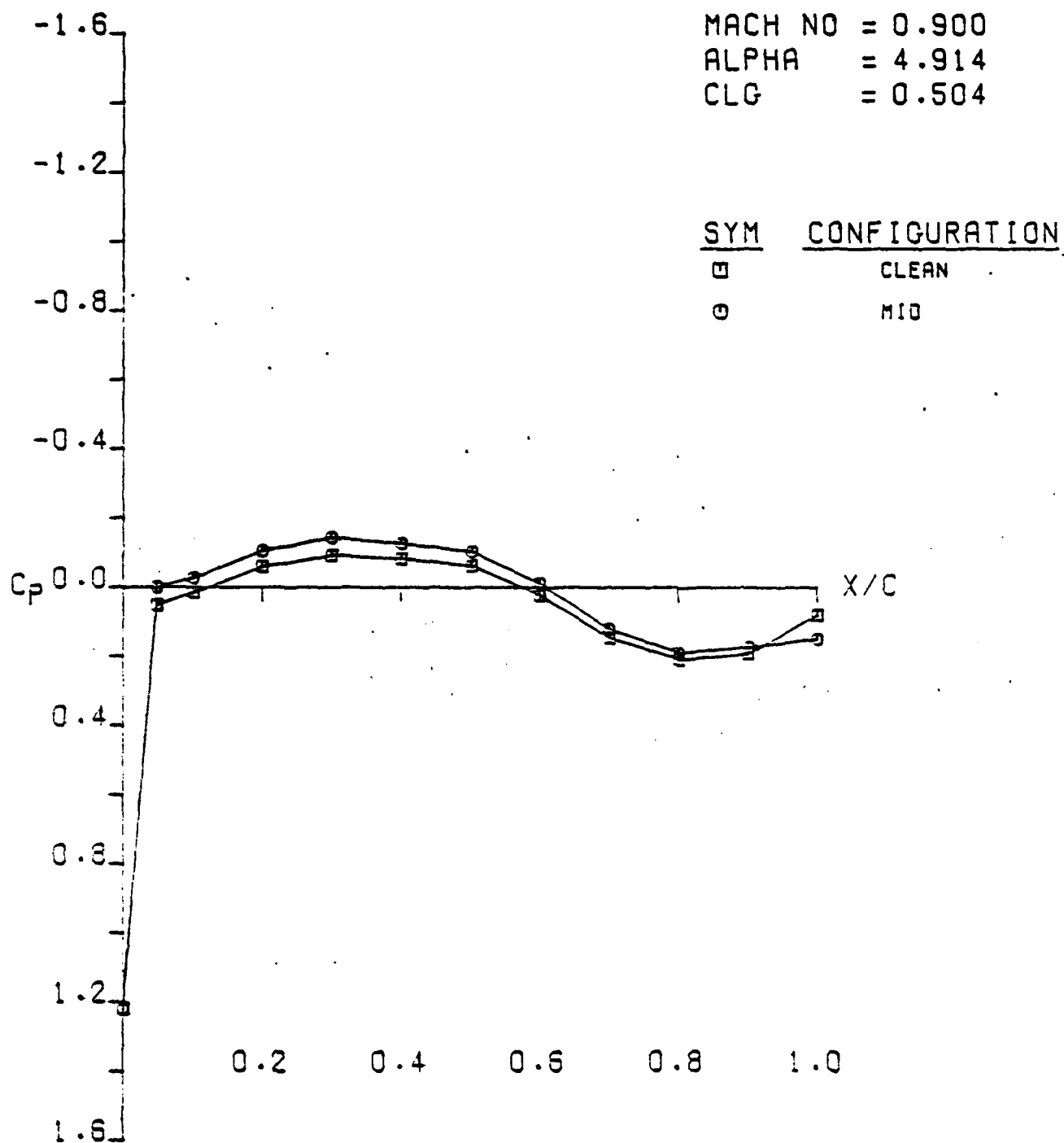
LOCKHEED CFWT SEMI-SPAN TEST, RUN 53
 CLN VS MID - NO SEAL (LWR SURF ETA .50)
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.900
 ALPHA = 4.914
 CLG = 0.504

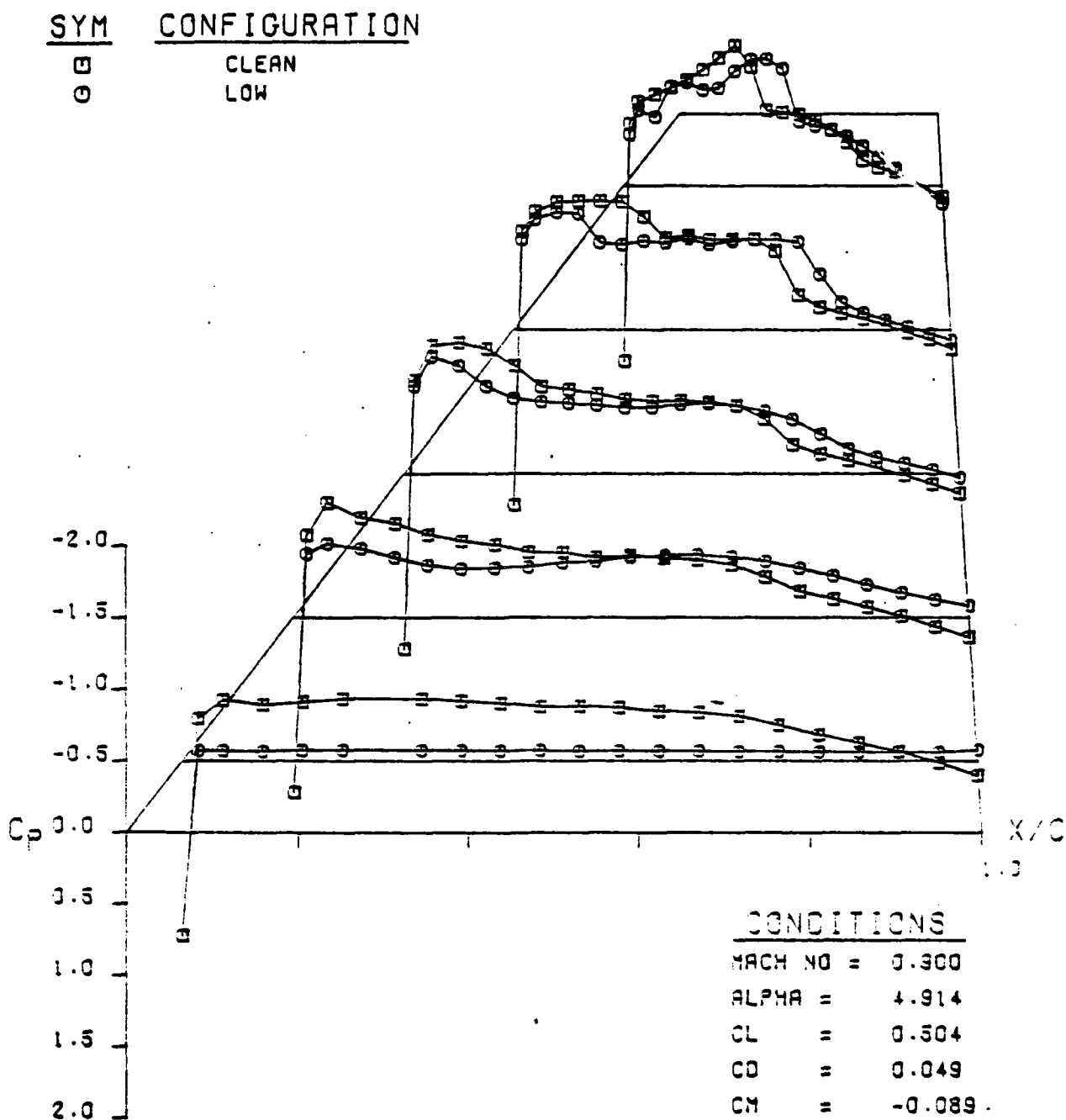
SYM	CONFIGURATION
□	CLEAN
○	MID



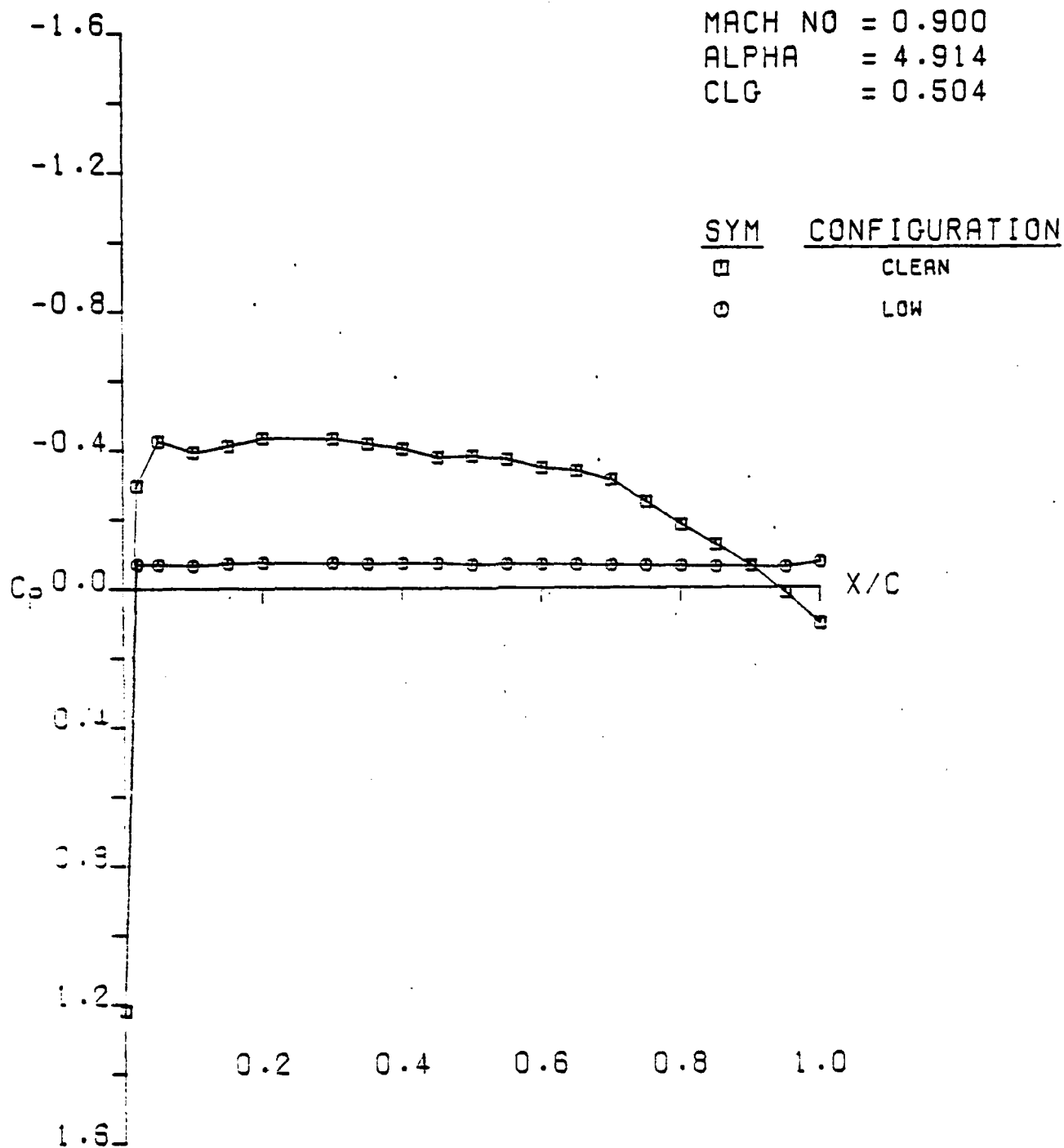
LOCKHEED CFWT SEMI-SPAN TEST, RUN 53
 CLN VS MID - NO SEAL (LWR SURF ETA .70)
 NUMERICALLY OPTIMIZED WING C



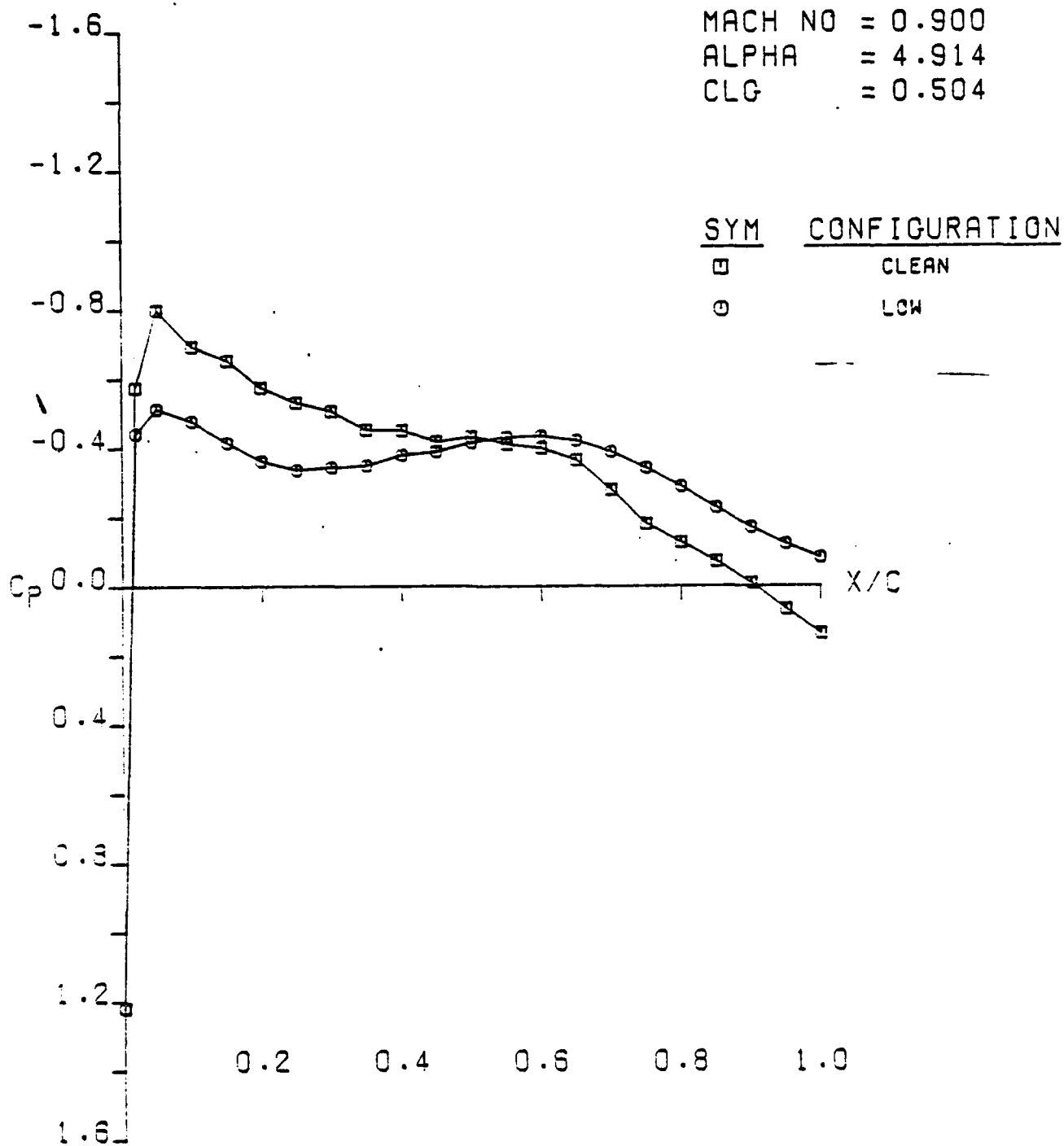
LOCKHEED CFWT SEMI-SPAN TEST. RUN 53
CLN VS MID - NO SEAL (LWR SURF ETA .90)
NUMERICALLY OPTIMIZED WING C



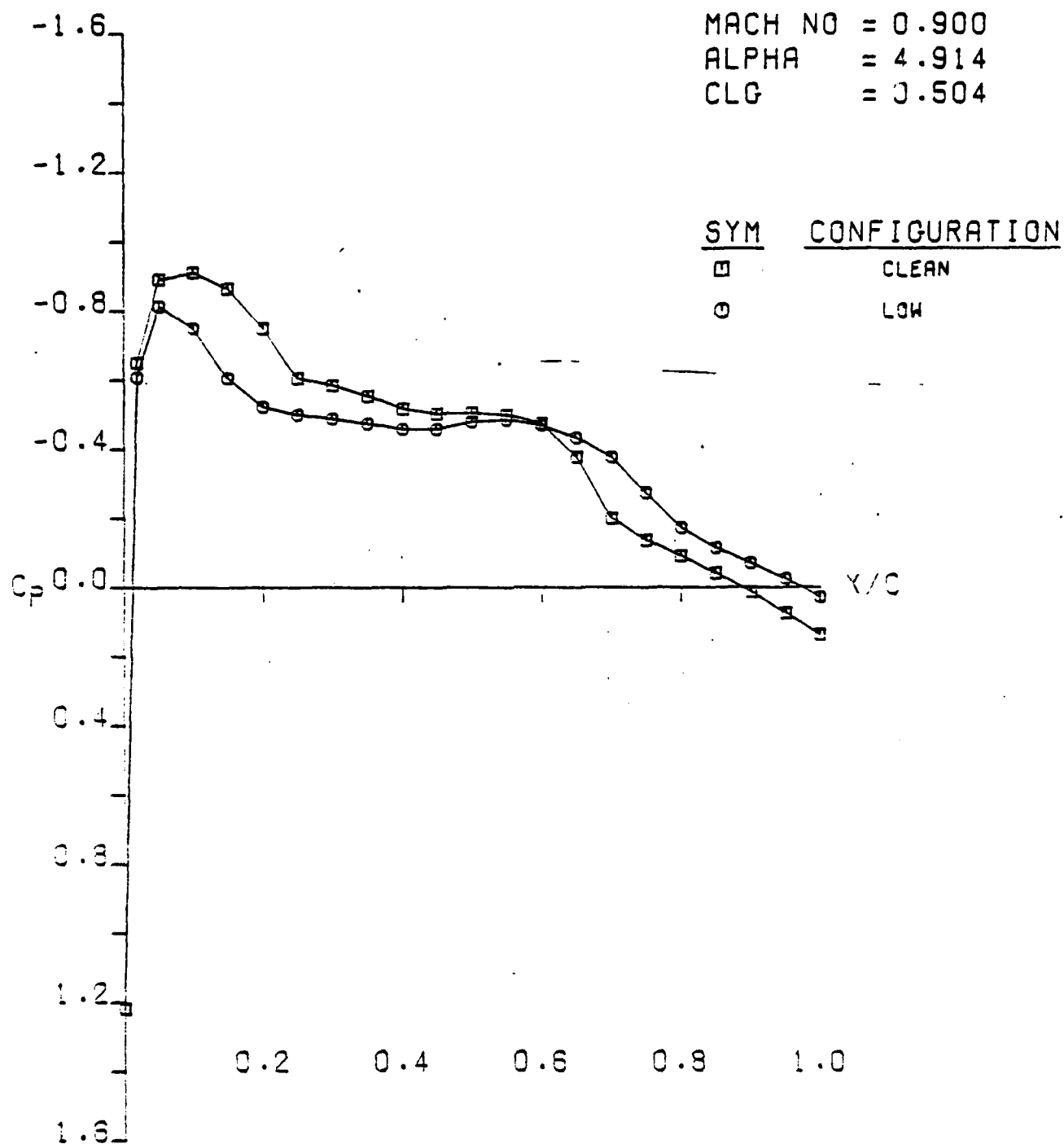
LOCKHEED CFWT SEMI-SPAN TEST, RUN 53
 CLN VS LOW (UPR SURF)
 NUMERICALLY OPTIMIZED WING C



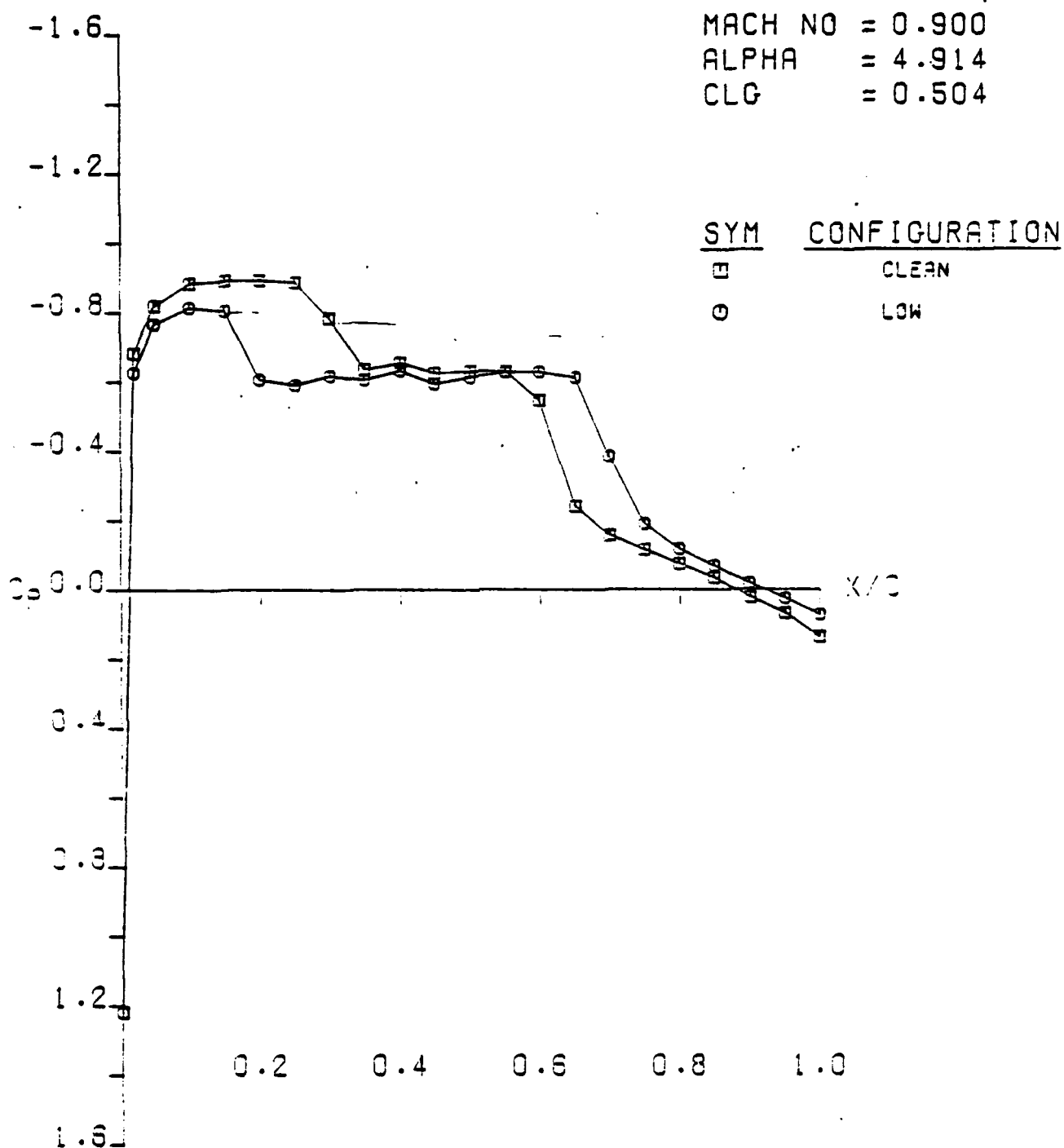
LOCKHEED CFWT SEMI-SPAN TEST, RUN 53
 CLN VS LOW (UPR SURF ETA .10)
 NUMERICALLY OPTIMIZED WING C



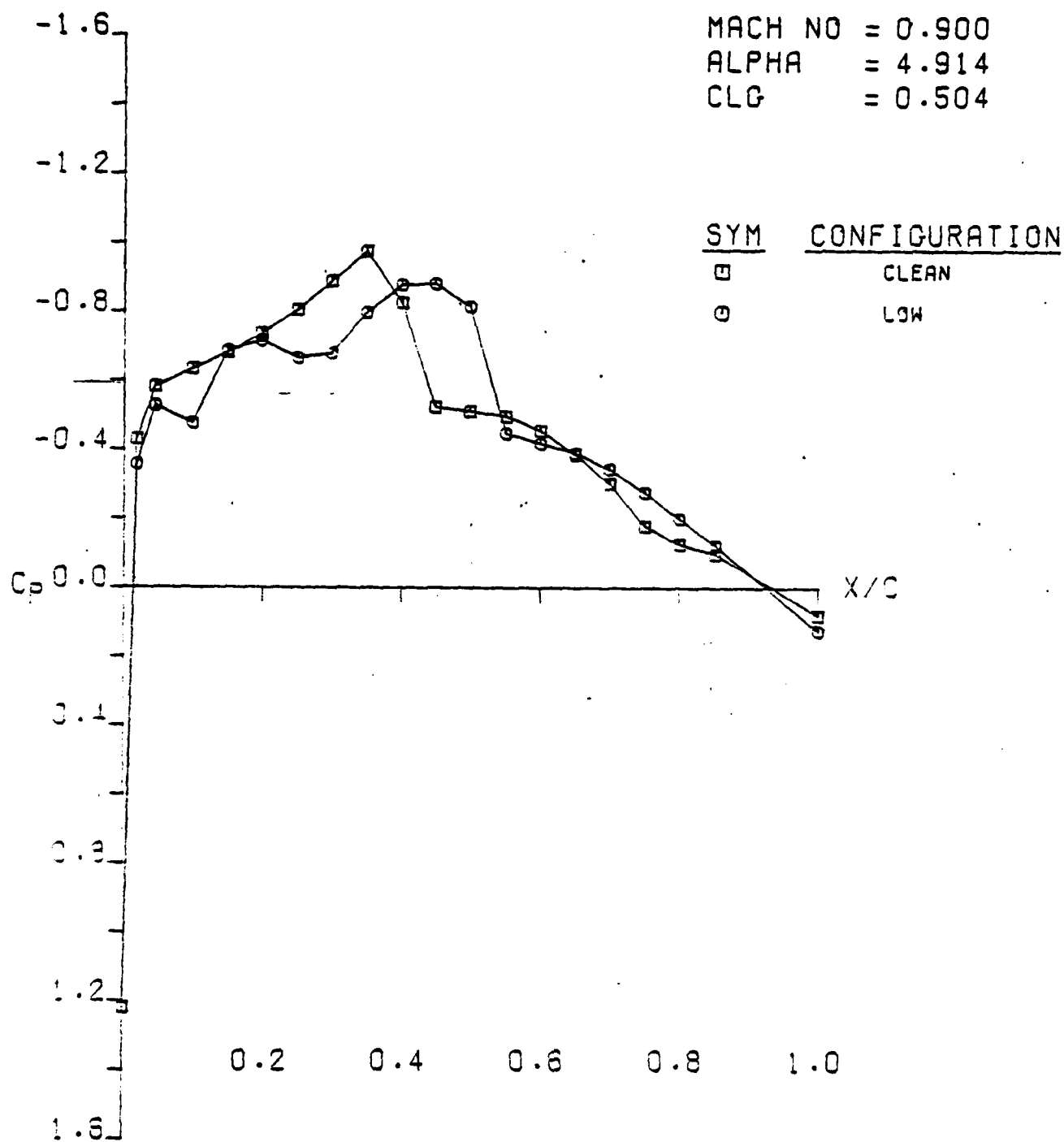
LOCKHEED CFWT SEMI-SPAN TEST, RUN 53
CLN VS LOW (UPR SURF ETA .30)
NUMERICALLY OPTIMIZED WING C



LOCKHEED CFWT SEMI-SPAN TEST, RUN 53
CLN VS LOW (UPR SURF ETA .50)
NUMERICALLY OPTIMIZED WING C



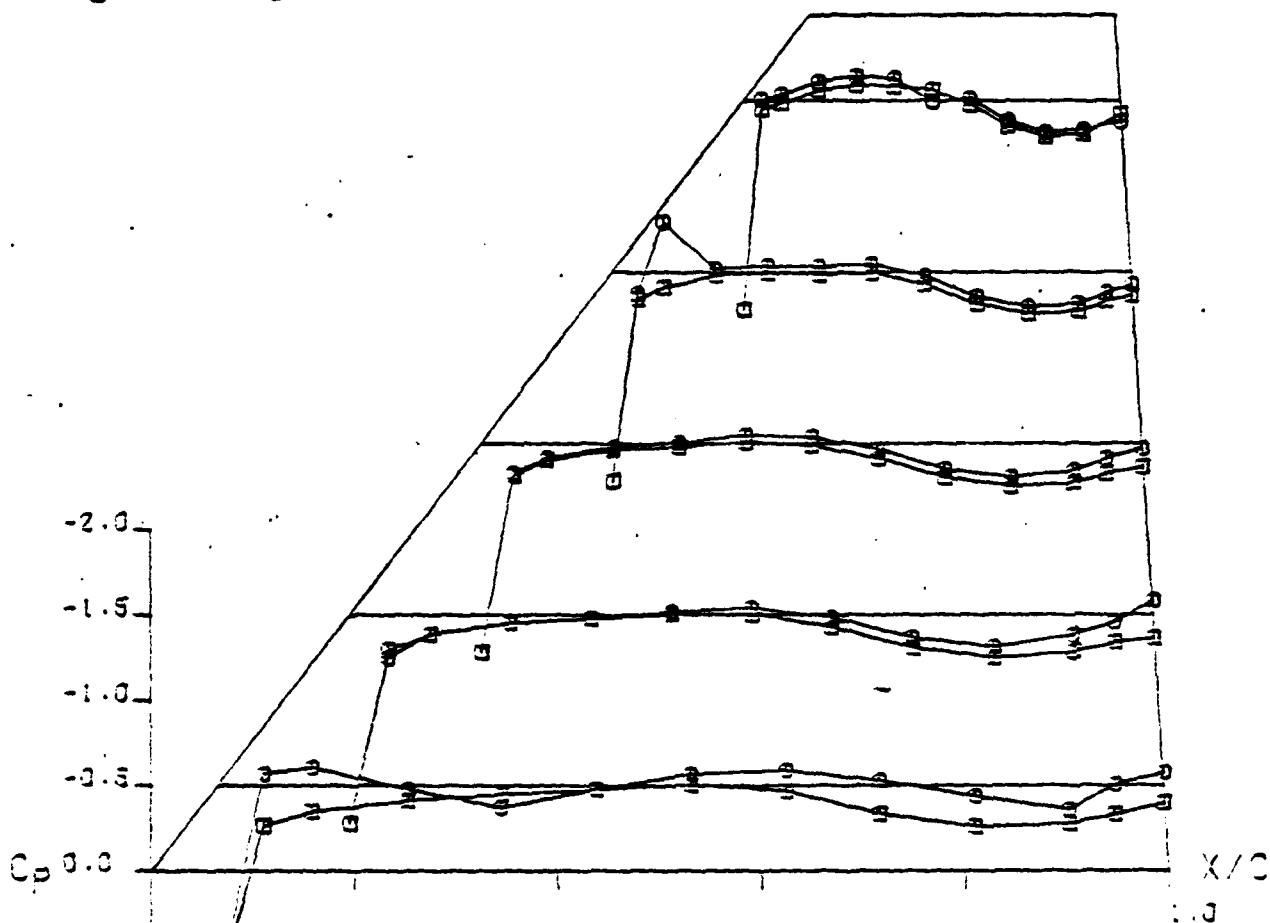
LOCKHEED CFWT SEMI-SPAN TEST, RUN 53
CLN VS LOW (UPR SURF ETA .70)
NUMERICALLY OPTIMIZED WING C



LOCKHEED CFWT SEMI-SPAN TEST, RUN 53
 CLN VS LOW (UPR SURF ETA .90)
 NUMERICALLY OPTIMIZED WING C

SYM CONFIGURATION

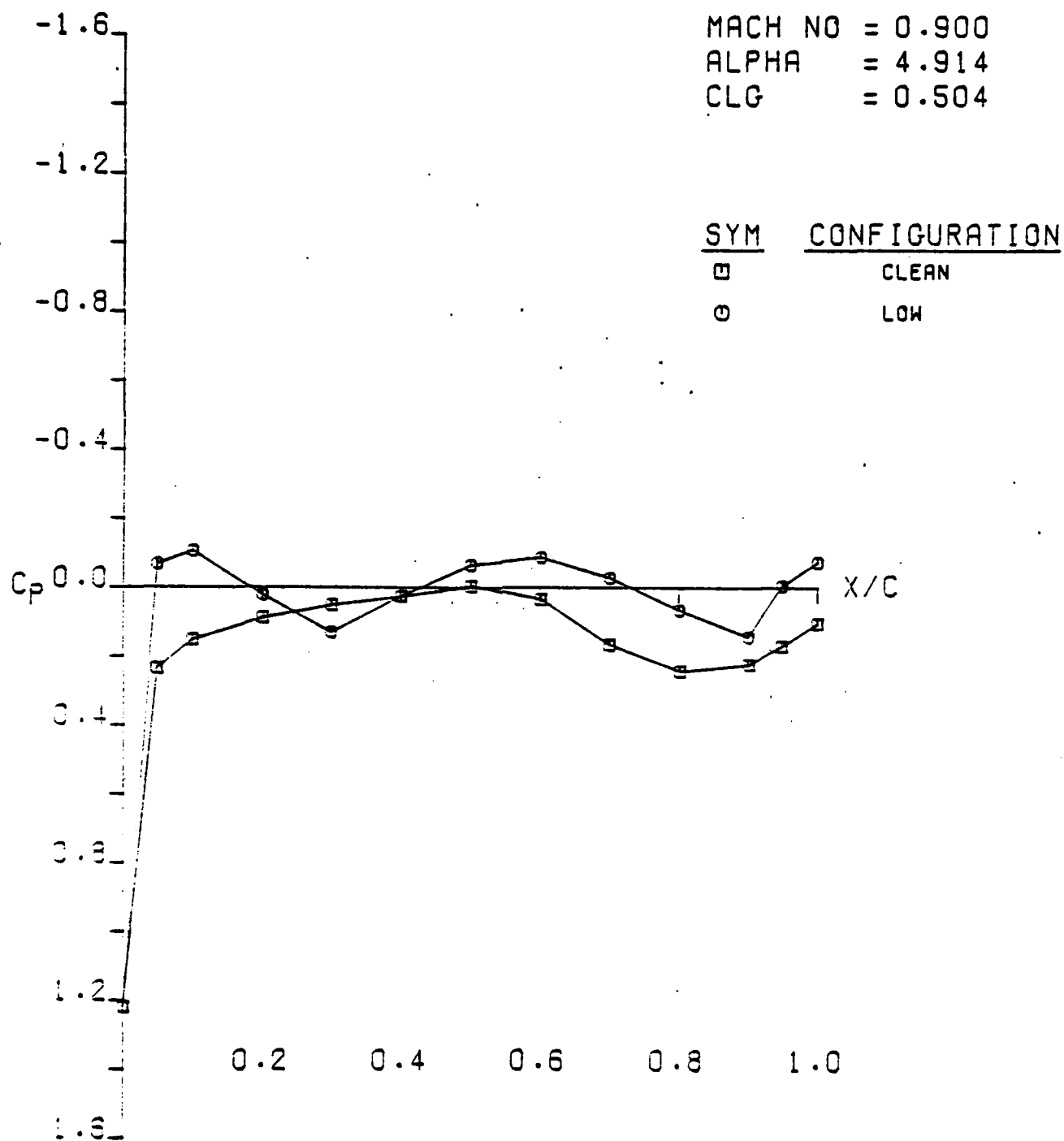
□ CLEAN
○ LOW



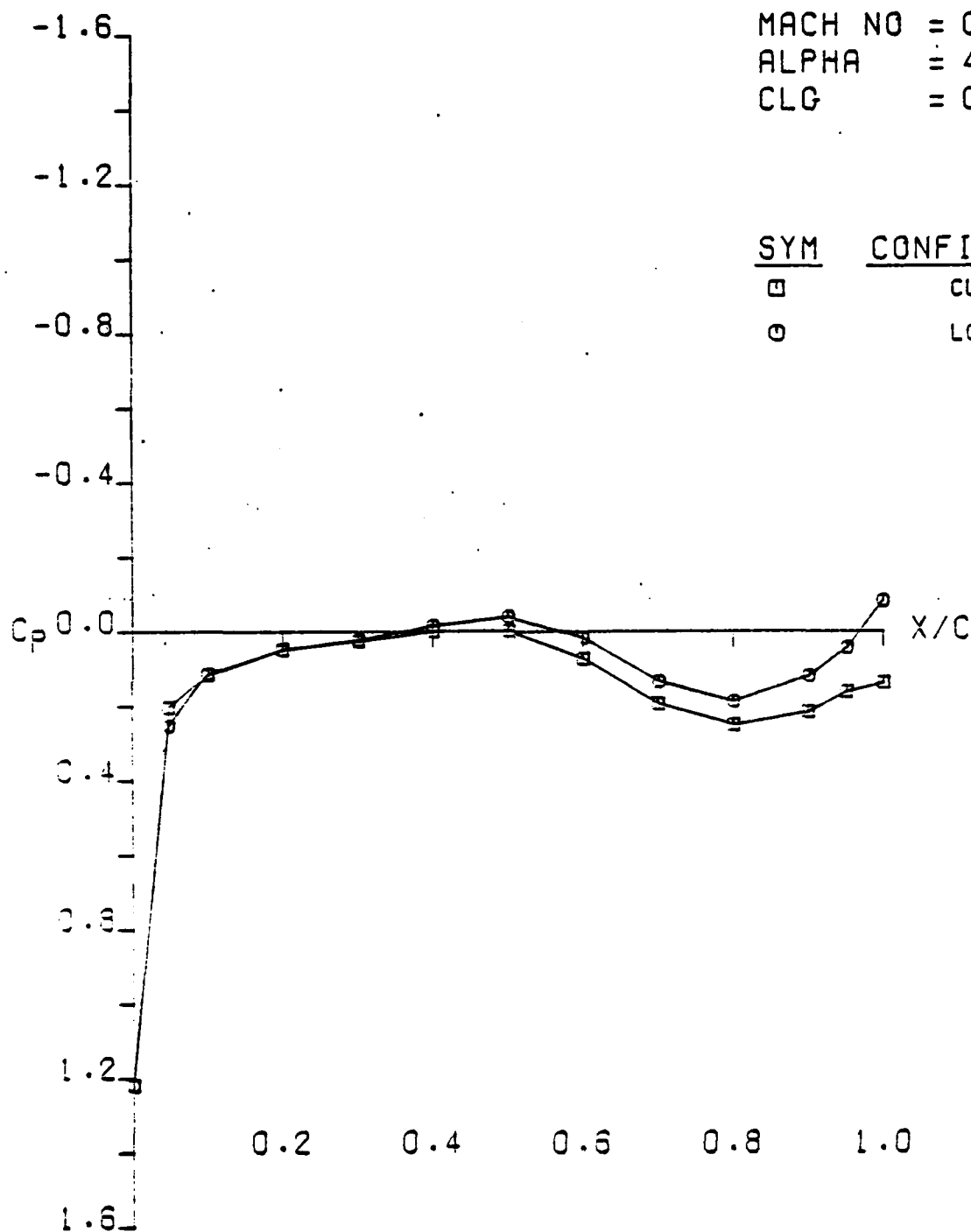
CONDITIONS

MACH NO = 0.300
ALPHA = 4.314
CL = 0.504
CD = 0.049
CM = 0.000
CLG = 0.504

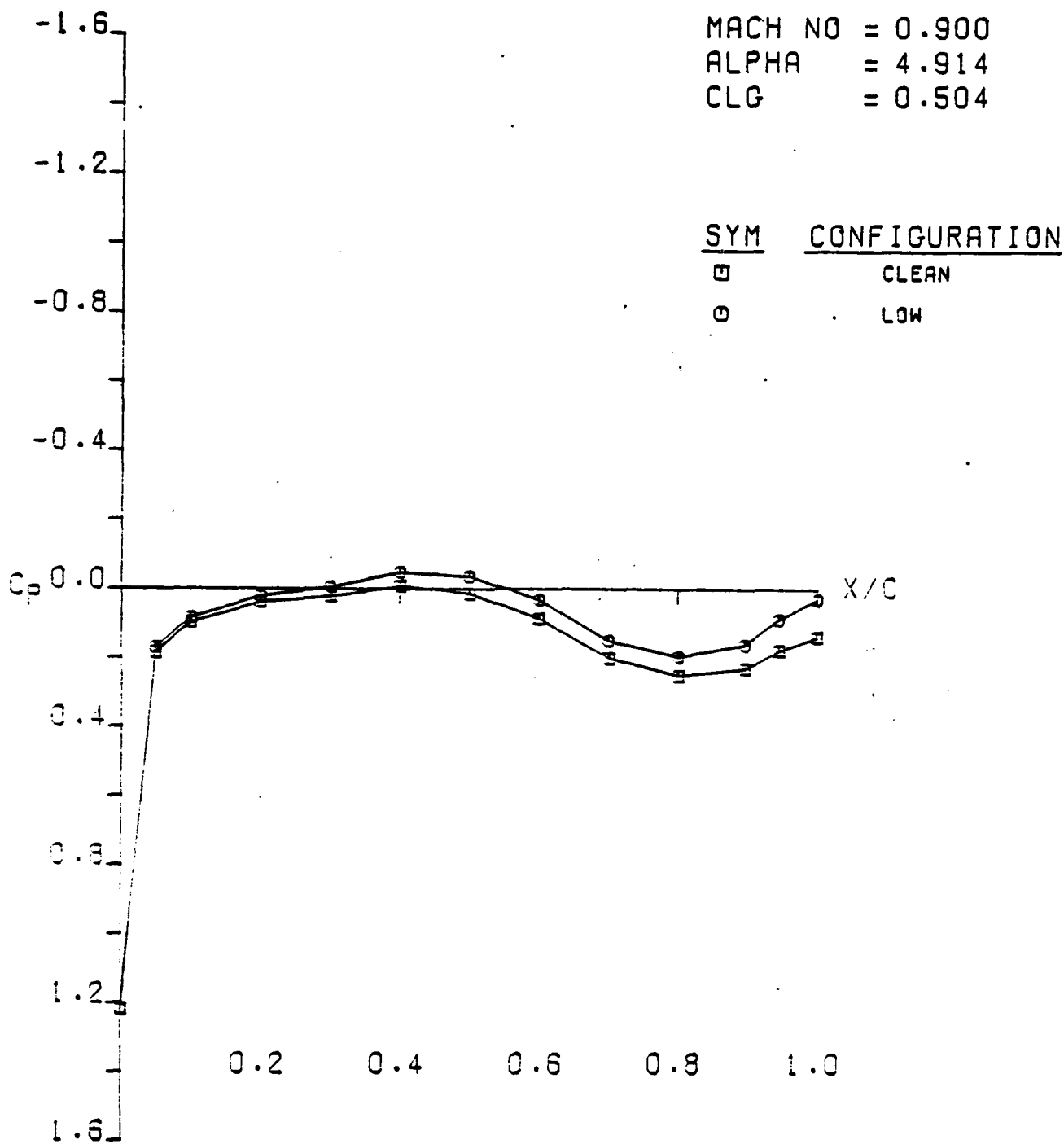
LOCKHEED CFWT SEMI-SPAN TEST, RUN 53
CLN VS LOW (LWR SURF)
NUMERICALLY OPTIMIZED WING C



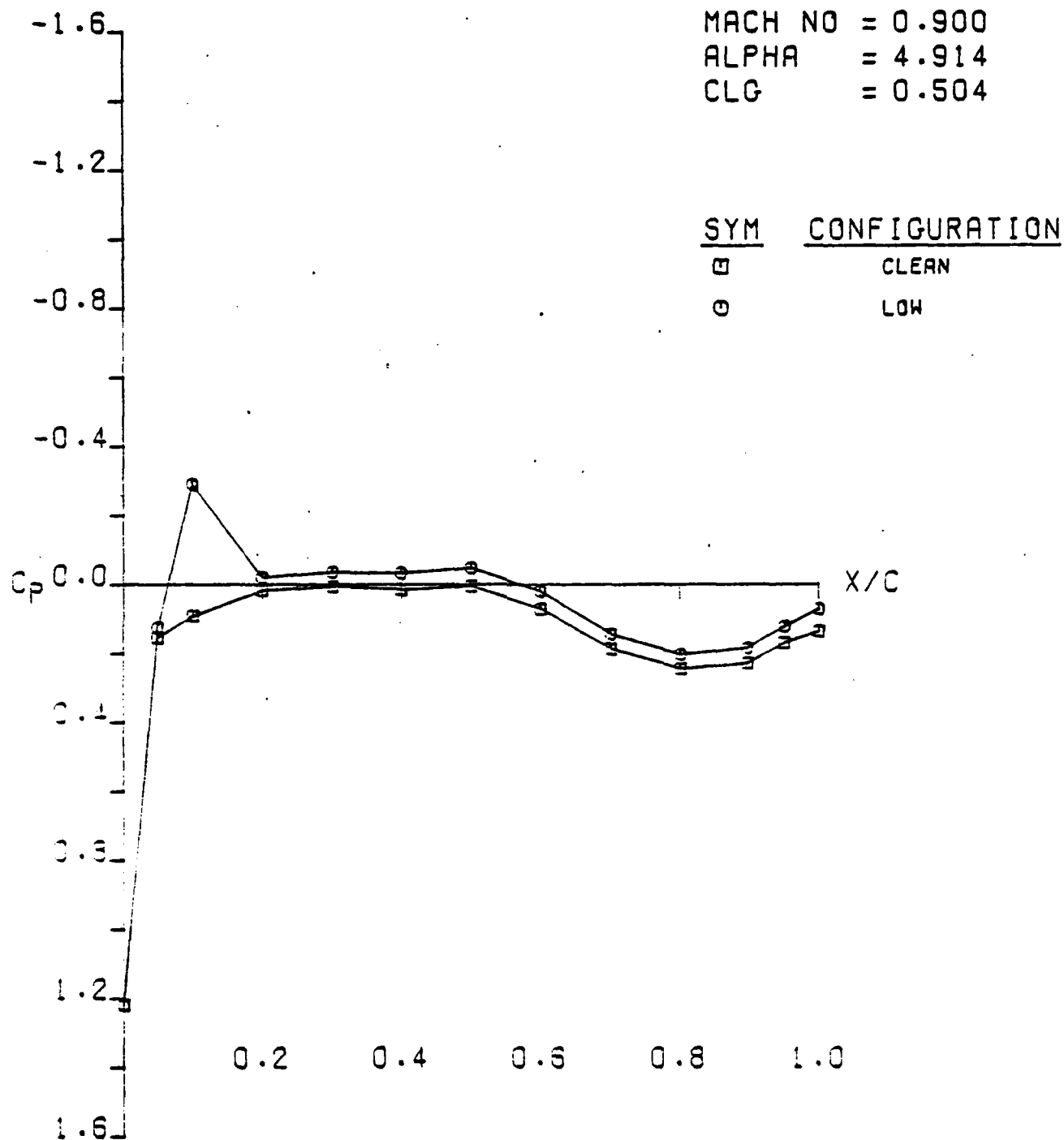
LOCKHEED CPWT SEMI-SPAN TEST, RUN 53
CLN VS LOW (LWR SURF ETA .10)
NUMERICALLY OPTIMIZED WING C



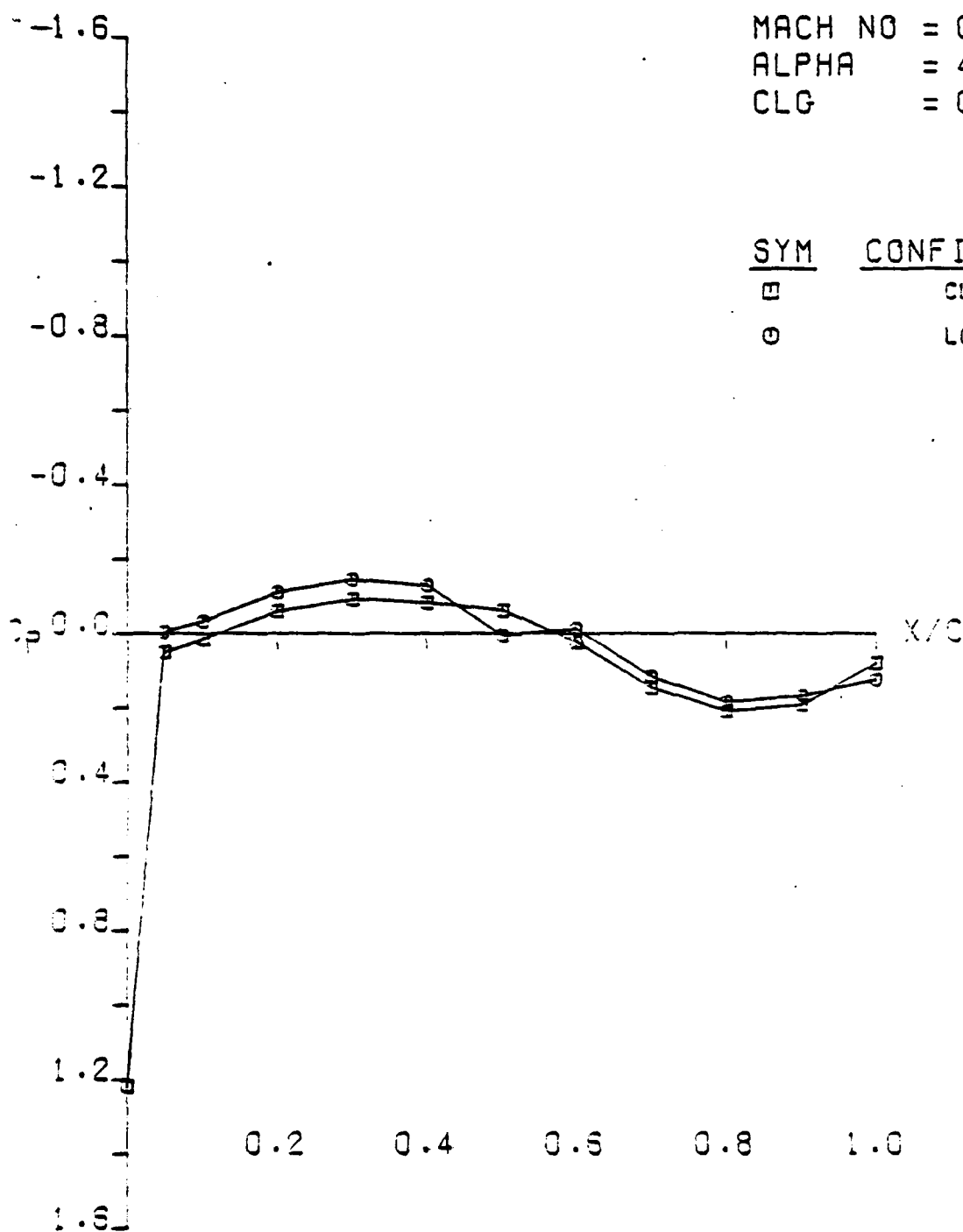
LOCKHEED CFWT SEMI-SPAN TEST, RUN 53
 CLN VS LOW (LWR SURF ETA .30)
 NUMERICALLY OPTIMIZED WING C



LOCKHEED CFWT SEMI-SPAN TEST, RUN 53
CLN VS LOW (LWR SURF ETA .50)
NUMERICALLY OPTIMIZED WING C



LOCKHEED CFWT SEMI-SPAN TEST, RUN 53
CLN VS LOW (LWR SURF STA .70)
NUMERICALLY OPTIMIZED WING C



MACH NO = 0.900
 ALPHA = 4.914
 CLG = 0.504

SYM	CONFIGURATION
□	CLEAN
○	LOW

LOCKHEED CFWT SEMI-SPAN TEST, RUN 53
 CLN VS LOW (LWR SURF ETA .90)
 NUMERICALLY OPTIMIZED WING C

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